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VAUGHAN'S NEW PRINCESS ASTERS
(See Page 9)

Vaughan's GARDENING ILLUSTRATED

73rd. Year • 1949

CHICAGO 10 W. Randolph St. • NEW YORK 47 Barclay St.

WHITE GOLD | ELIZABETH THE QUEEN | ETHEL CAVE COLE | STOPLIGHT

Vaughan's Famous Rainbow Garden of Gladioli

Fifty-six flowering size bulbs, 8 each of the 7 outstanding varieties illustrated on this page. Each variety separately bagged and labeled. Prepaid 600 miles for **$2**

BEACON | GOLD DUST | PICARDY

Half Portion
Prepaid 600 Miles $1
4 Each of 7 Varieties Illustrated

Varieties in our 1949 Rainbow Gladiolus offer are champions in their various colors, frequent winners of prizes in flower shows.

STOPLIGHT (Lins). Dec. Outstanding new ruffled unfading red.

ETHEL CAVE COLE (Cave). Ex. Spectacular spike of delicate pink, consistent show winner.

ELIZABETH THE QUEEN (White). Ex. Beautifully ruffled, best of its color.

WHITE GOLD (Scheer). Ex. Large white florets flushed with cream, golden throat.

BEACON (Palmer). Ex. Salmon-scarlet, cream throat.

GOLD DUST (Pfitzer). Dec. Deep yellow without markings.

PICARDY (Palmer). Ex. Still acknowledged champion of all.

Rainbow bulbs are not first size bulbs, but they are the size we use in growing exhibition flowers. They take a little longer to bloom than first size bulbs but the flowers are large, and the crop of bulbs produced for next year's planting are equal to the product of the largest bulbs.

Varieties subject to change after April 15th.

PLEASE ORDER ON THIS BLANK

As a token of appreciation, we will send with a mail order of $2 and over received on this order blank, a special packet containing seed of a new flower or of an older one which we think you should know and know you will like.

To VAUGHAN'S SEED STORE

601 W. Jackson Blvd., Chicago 6, Ill. — 47 Barclay St., New York 7, N. Y.

Date.....19.....

D

NAME Mr. / Mrs. / Miss ..... Write very plainly

Street, P. O. Box or Rural Delivery.....

Post Office..... State.....
(City Zone No.)

Express or Freight Office { If different from P. O. } ..... Forward Goods by.....
(Parcel Post, Express, Freight)

(SEND NO CASH OR CURRENCY UNLESS REGISTERED)

Make Money Orders or Checks Payable to Vaughan's Seed Store

AMOUNT ENCLOSED $..... ☐ Money Order ☐ Draft or Check ☐ Cash

More order blanks will be sent upon request. Always write letters on a separate sheet from your order.

VAUGHAN'S SEED STORE gives no warranty, express or implied, as to the productiveness of any seeds, bulbs or plants it sells; nor does it warrant fertilizers other than in respect to data required of the seller by statutes. It is expressly agreed that the limit of liability for all claims for loss or damages due to any cause shall be in a sum no greater than the invoice price of the goods and in no case shall it be responsible for loss or damage of the crop.

This space for office use only.

Filled by	Ex. ☐	Flower ☐	Veg. 1 ☐	Grass ☐	Bulb ☐	Sup. ☐	Fert. ☐	Re-Check
Date								
Checked								
No. Pkgs.								

QUANTITY (DO NOT ABBREVIATE)	NAME OR CATALOG NUMBER OF ARTICLE (Where Catalog gives a Number, please order by it.)	PRICE DOLS.	PRICE CTS.
	Premium for Cash Mail Orders Received Before March 1st		
	For every CASH MAIL ORDER for SEEDS and BULBS, totaling $3 or over, received on this order blank before March 1, 1949, we will send gladiolus bulbs of our selection, to the value of 10 percent of the order. This offer does not apply to purchases at stores, or to mail orders for items other than Seeds and Bulbs.		
	10% of my Bulb and Seed Order is $_____ which is Value of Premium due me.		

☞ IN MAKING YOUR ORDER, PLEASE GIVE THE SIZES AND PRICES TO AVOID DELAY AND ERRORS.
If we cannot supply variety ordered, we will send one equal or better, unless forbidden.

CARRIED FORWARD $

S. R. 49

(Over)

QUANTITY	NAME OR CATALOG NUMBER OF ARTICLE Where Catalog gives a Number, please order by it.	PRICE Dols.	 Cts.
	Brought Forward		

DOMESTIC PARCEL POST RATES On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U. S. and Possessions. Effective Oct. 1, 1932.	First pound or fraction	Each additional pound or fraction	
		2 to 10 lbs.	11 to 70 lbs.
Local—Chicago or New York City	11c	1c	0.75c
First and Second Zone within 150 miles of either	12c	2.1c	2c
Third Zone within 150 to 300 miles	13c	3c	2.8c
Fourth Zone within 300 to 600 miles	14c	4.5c	4.25c
Fifth Zone within 600 to 1000 miles	15c	6c	5.5c
Sixth Zone within 1000 to 1400 miles	16c	7.5c	7.25c
Seventh Zone within 1400 to 1800 miles	17c	9.5c	9.25c
Eighth Zone all over 1800 miles	18c	11.5c	11.25c

A fraction of a cent in the total amount of postage on any parcel shall be counted as a full cent.

Total Weight.		
Amount for Postage		
Grand Total	$	

Filled by..... Checked by..... Packed by.....

Shipped by..... Style of Package.....

Date..... Book..... Weight.....

Fertilizers are delivered within 25 miles of New York by Freight or Express at our Option.
Errata—Prices on fertilizers in our catalogue are F. O. B. Chicago.
Following are New York prices.

Vaughan's High Grade Fertilizers

These Prices Are Subject to Change Without Notice.

VAUGHAN'S "ROSE GROWER" BONE MEAL

This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Free from acid and a superb article. It is made from bone accumulated in large slaughter houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the western prairies. Analysis: Nitrogen 3.7 percent; total phosphoric acid, 20 percent. Prices, 5 lbs., 75c; 10 lbs., $1.25; 25 lbs., $2.00; 50 lbs., $3.90; 100 lbs., $7.50.

Regular Bone Meal. 2.47% nitrogen; 20% phosphoric acid. 25 lbs., $1.90; 50 lbs., $3.75; 100 lbs., $7.00.

BONE, Raw Ground. Excellent material for vine borders or greenhouse benching. Also all bulbs, indoors and outside. Fine for roses. High analysis. Prices, 25 lbs., $2.00; 50 lbs., $3.90; 100 lbs., $7.50.

Cow Manure Dehydrated (Bovung). Manufactured by special process from selected fresh cleanings from cattle pens. There is no offensive odor, and when spread on lawn and garden it works down into the soil so that there is no refuse to blow about or be raked off when the growing season begins. 25 lbs., $1.75; 50 lbs., $2.50; 100 lbs., $4.25; 500 lbs., $19.00.

SHEEP MANURE

This is a pure, natural Manure, and its effect is immediate; it is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. Strewn over and dug into the vegetable garden or placed directly in drills or hills, it promotes a rapid, steady growth until maturity. It makes the richest, safest and quickest Liquid Manure. For use in liquid form, one pound to five gallons of water will make a liquid which can be used with safety daily if necessary. 25 lbs., $1.50; 50 lbs., $2.50; 100 lbs., $4.00; 500 lbs., $18.00.

Activo. (Formerly called Bacto) Make your own fertilizer easy, quick—often in as little as three weeks. Just sprinkle on kitchen waste, leaves, garden rubbish, sewage sludge, etc. 5-pound bag makes up to a ton of rich, soil-building organic humus, better than manure. Sprinkle in outdoor toilets; reduces odors, makes easily-handled ash of waste. Prices, 4 oz., 30c; No. 2 size, about 2 lbs., $1.00; No. 7 size, about 7 lbs., $2.00; No. 25 size, about 25 lbs., $5.79.

Adco Artificial Stable Manure. Make it yourself, in your own garden. To each ton of straw, hay, cornstalks or dried leaves add 150 lbs. Adco to make four tons of fresh or three tons of rotted manure. Adco contains nothing injurious to health or harmful to animal or plant life. Shipments accompanied by full directions. Prices, 7½ lbs., $1.25; 25 lbs., $3.00; 150 lbs., $12.00.

Agrico. Specially formulated for lawns, trees and shrubs. Provides ALL the needed plant foods — stimulating quick growth in early spring—providing slowly available plant food all season long. 6-10-4. Prices, 5 lbs., 45c; 10 lbs., 80c; 25 lbs., $1.60; 50 lbs., $2.65; 100 lbs., $4.75.

Agrico Garden Fertilizer. 5-10-5. 5 lbs., 45c; 10 lbs., 80c; 25 lbs., $1.60; 50 lbs., $2.40; 100 lbs., $4.25.

Agrico for Broadleaf Evergreens. Agrico for Broadleaf Evergreens not only supplies the right balance of all the needed plant foods, but one that also builds up soil acidity, which is essential for best growth. It is specially formulated to do both jobs properly. Apply Agrico for Broadleaf Evergreens in early Spring, at the rate of 3 lbs. per 100 sq. ft. For flowering plants, make a second application of 1 to 2 lbs. per 100 sq. ft., as soon as buds begin to appear. 10 lbs., $1.10; 25 lbs., $2.10; 50 lbs., $3.40; 100 lbs., $5.50.

Agrinite. 8¼% Nitrogen, all organic fertilizer; can be easily used in place of dried blood or tankage. Prices, 25 lbs., $2.00; 50 lbs., $3.50; 100 lbs., $5.00.

Aluminum Sulphate. For creating acid condition in the soil. Prices, 1 lb., 25c; 5 lbs., 50c; 10 lbs., 80c; 25 lbs., $1.50; 50 lbs., $2.60; 100 lbs., $4.75.

Ammonium Sulphate. 20.6% nitrogen. Prices, 5 lbs., 60c; 10 lbs., $1.00; 25 lbs., $1.75; 50 lbs., $3.25; 100 lbs., $6.25.

Armours Special Ornamental Fertilizer. 10-6-4. Especially prepared for lawns, trees, shrubs and flowers. 100-lb. bags only, $6.50 each.

Armours Velvet Green 5-10-5. Contains nitrogen, phosphorus and potash, the three major plant foods. The formula is recognized by leading nurserymen as best for all types of plants. 10 lbs., 90c; 25 lbs., $1.60; 100 lbs., $4.25.

TERRA LITE

Is a prepared form of vermiculite, cleaned of all impurities which might injure plants, and of the correct size for horticultural use. This remarkable material has proved to give almost magical results as a substitute for soil in starting seeds and rooting cuttings. Price, 2 bu. bag, $1.85; ½ bu. bag, 85c; 4 qt. bag, 40c.

Blood, Dried. For top-dressing, for mixing with the soil, and for applying in liquid form, it is one of the best and safest nitrogenous fertilizers. It is splendid for roses, carnations, chrysanthemums and all kinds of pot plants. Prices, 5 lbs., $1.00; 10 lbs., $1.75; 25 lbs., $3.25.

Bulb Food. Potash where potash is needed (5-6-15). For Dahlias, Lily, Gladiola, etc. 5 lbs., 75c; 10 lbs., $1.25; 25 lbs., $2.75; 100 lbs., $9.00.

Crystal Urea. A highly concentrated inorganic fertilizer containing 46 percent available nitrogen, clean, odorless, stainless, for flowers, vegetables, berries, shrubs, lawns, ornamental and fruit trees; 92 times stronger than manure. Prices, lb., 25c; 5 lbs., $1.00; 10 lbs., $1.75; 25 lbs., $3.75; 50 lbs., $5.50.

Driconure. Nature's own fertilizer, is an ideal plant food combining poultry and cow manure with peat moss. Clean, soft and easy to use. 50 lb. bag will top dress 1000 square feet of lawn, or feed up to 500 square feet of garden area. Prices, 7½ lb. bag, 60c; 50 lb. bag, $2.25 each; 5 to 19 bags of 50 lbs., $2.00 each.

Hy-Gro. 13-26-13. The soluble plant food. The ideal plant food for starter solution and most economical way of feeding plants. 1 tablespoon to a gallon of water will feed 20 plants for six weeks. 3 oz., 30c; 20 oz., $1.00; 2 lbs., $1.50; 10 lbs., $4.00.

Hyponex Plant Food. For growing plants in sand, soil or water. One teaspoonful will make a gallon of complete plant food. 1 lb. will make 100 gallons. Prices, 3 ozs., 30c; 7 ozs. 50c; 1 lb., $1.00; 10 lbs., $8.00.

Humus. Recommended for top-dressing or use on heavy clay soils. Prices, 100-lb. bags, $3.00; 500 lbs., $14.00.

Leaf Mold. For correcting of clayey and sandy soil conditions. Prices, 100 lbs., $4.00; 500 lbs., $18.00.

Lime, Hydrated. Prices, 5 lbs., 40c; 10 lbs., 60c; 50 lbs., $1.50; 100 lbs., $2.00.

Limestone, Pulverized. Is a neutralizer for soil acidity also improves the texture of the soil and liberates nitrogen and other plant food, and stimulates bacterial action. Apply after the land is plowed or dug for a crop, scattering with a lime distributor, 2 tons or more per acre, or by hand in small gardens—about a large handful to a square yard. Prices, 80-lb. bags, $1.60.

New Plant Life is that scientifically discovered liquid life restorer which has for a quarter of a century demonstrated in homes everywhere, growth and bloom far beyond the housewife's fondest expectation. 3 oz., 25c.

Peat Moss, Granulated. A moisture-retaining humus, an important aid in saving soil fertility, better than manure. Prices, bale of about 20 bushels, $6.00.

Plantabbs. The high analysis plant food tablet containing the proper amount of Vitamin B1. Prices, box of 30 tablets, 25c; box of 75 tablets, 50c; box of 200 tablets, $1.00; can of 1000 tablets, $3.50.

Poultek Fertilizer. Made from pure poultry droppings of caged poultry only. Dehydrated daily to conserve its full natural strength, 100% pure, no straw, peat moss or floor litter mixed in. 25-lb. bag, $1.50; 50-lb. bag, $2.50.

Rose Food. An organic, no filler, 100% plant food of dried blood, fish scrap, bone meal, potash, cottonseed meal and phosphate. This is a special mixture for growing roses and is a balanced, all-purpose fertilizer which can be used on all flowers, shrubbery, etc. 5 lbs., 75c; 10 lbs., $1.25; 25 lbs., $2.75; 100 lbs., $9.00.

Sacco Plant Food 4-12-4 The complete all purpose plant food for lawns, flowers, trees, shrubs and gardens. 5 lbs., 50c; 10 lbs., 90c; 25 lbs., $1.50; 50 lbs., $2.75; 100 lbs., $3.95.

Stimuplant Tablets. For potted plants. Prices, 30 tablets, 35c; 100 tablets, $1.00; 500 tablets, $2.50; 1,000 tablets, $5.00.

Super Phosphate. Twenty percent available. Used on grain crops and others requiring an excessive amount of phosphoric acid. Prices, 5 lbs., 45c; 25 lbs., $1.25; 50 lbs., $2.00; 100 lbs., $3.00; 500 lbs. $13.00.

Wedo (6-10-4 with 2, 4-D). The double acting lawn food, kills weeds feeds grass. 25 lbs., $2.75; 50 lbs., $4.95; 100 lbs., $7.95.

Vigoro. Is a specially prepared plant food. It contains all the elements necessary to grow flowers, lawns, vegetables, shubbery and trees. Complete directions in every bag. Prices, 5 lbs., 50c; 10 lbs., 90c; 25 lbs., $1.60; 50 lbs., $2.65; 100 lbs., $4.25.

7 CHOICE HARDY GARDEN Chrysanthemums $4.25

Our chrysanthemum plants this spring will be rooted in pots, in sphagnum moss, according to a method developed by U. S. government scientists. The moss forms a compact ball in which the roots are imbedded and held moist and intact, during shipment. They reach you green and growing, with vigor unimpaired, and when transplanted they will have the best possible chances of success in your garden.

AVALANCHE. Early white. Averaging 4-inch flowers, on tall stems.
APPLEBLOSSOM. Sept. Cactus-like petals of Appleblossom pink and white.
CHRIS. COLUMBUS. Oct. Outstanding ivory-white. Excellent for cutting.
LAVENDER LADY. True lavender 3-inch flowers on perfectly branching spray.
MRS. PIERRE S. DU PONT III. Oct. Large flowers of soft peach tinted salmon.
RED VELVET. Oct. Velvet crimson. One of the best. Heavy foliage.
WHITE WONDER. Ball shaped pompon. A perfect free-flowering white.
Prices of the above varieties: 75c each; 3 for $2.00.
COLLECTION: No. 1A. 1 each of the above seven for $4.25.

RED VELVET

Spoon Chrysanthemums

ORCHID SPOON. Oct. 5. Tall orchid-pink.
WHITE SPOON. Sept. 15. Clear white, very popular.
YELLOW SPOON. Sept. 20. Golden, 22-in. tall.
Price of the above varieties: 60c each; 3 for $1.50.

PINK CUSHION

New Cushion or Azalea-Like Mums

As the illustration shows, the compact, mound-like plants of these exceptionally early varieties are covered with flowers, for a long season.

4 Plants for $2.50

EXETER. Bronzy-yellow. Free branching, early bloomer.
DWARF JEWEL. Soft lilac-lavender pompon, bushy plant.
JOAN HELEN. Brilliant garnet with yellow eye.
NANOOK. 15 inches tall. Compact mound of white flowers.
Price of the above varieties: 75c each; 3 for $2.00.
COLLECTION: No. 1E. One each of the above four for $2.50.

5 Plants for $2.35

BRONZE CUSHION. Deep bronze, yellow blend.
PINK CUSHION. Bright pink.
RED CUSHION. Glowing red.
WHITE CUSHION. Glistening.
YELLOW CUSHION. Chrome.
Price of the above varieties: 60c each; 3 for $1.50.
COLLECTION: No. 1F. One each of the above five for $2.35.

Hardy English Mums — Three New Introductions — Famous Chicago Strain

Six of Best for $3.75

Rivaling in size the greenhouse chrysanthemums of this country these English chrysanthemums blossom much earlier, giving a dazzling fall garden display. Plants give abundant bloom, and by disbudding impressive single specimens can be grown.

ALABASTER. Early white, large incurved flowers of good substance.
BRONZE EARLY BUTTERCUP. Oct. 10. Rich deep bronze with golden reverse.
COPPELIA. Early flowers of startling bright Indian red, unfading.
ELDORADO. Early. Charming yellow 5-inch semi-incurved flowers. Should disbud.
LEDA. Oct. 15. Large heliotrope pink, beautiful rolled petals, on tall stems.
SANDY RICHIE. Bright blend of crimson and gold, centers incurved, outer reflexed.
Price of the above varieties: 75c each; 3 for $2.00.
COLLECTION: No. 1B. 1 each of the above six for $3.75.

Each, 85c; 3 for $2.25

CAMILLA. Sept. Rich cherry red. Our introduction. 20 inches tall.
ORCHID HELEN. Early orchid pink. Sport of Joan Helen. Flowers fully double.
VIOLET. Early fully-double purple, dahlia-like flowers on tall stems.

COURAGEOUS

Seven Plants for $4.50

These are varieties bred for winter hardiness and early flowering by E. J. Kraus, famed in horticultural science. Formerly grown on the Lasker estate in Lake Forest.

AUTUMN SONG. Sept. 10. Large, wine-rose shading to carmine, on tall plants.
CHARLES NYE. Sept. 15. Large, fully double, rich deep yellow.
COURAGEOUS. Sept. 15. Dark ruby-red, fully double 3½-inch flowers.
GLOWING COALS. Sept. 10. Cherry-red, orange reverse, on tall stems.
HEATHERBLOOM. Sept. 10. Fully double heather-pink, gold tips, center rose-red.
MEDITATION. Sept. 20. Large flowers. Bronze, red and gold blend.
OLIVE LONGLAND. Sept. 10. Apricot pink, one of the best pastels.
Price of the above varieties: 75c each; 3 for $2.00.
COLLECTION: No. 1D. One each of the above seven for $4.50.

Copyright, by Vaughan's Seed Store, 1948

Newer Vegetables

Giant Tree Tomato Still Makes News

T19 Tomato Giant Tree. (Italian Potato Leaved.) 90 days. Regarding Giant Tree Tomato, the agricultural editor of a leading Chicago newspaper wrote on Aug. 23, 1948 in his column about the paper's experimental farm:

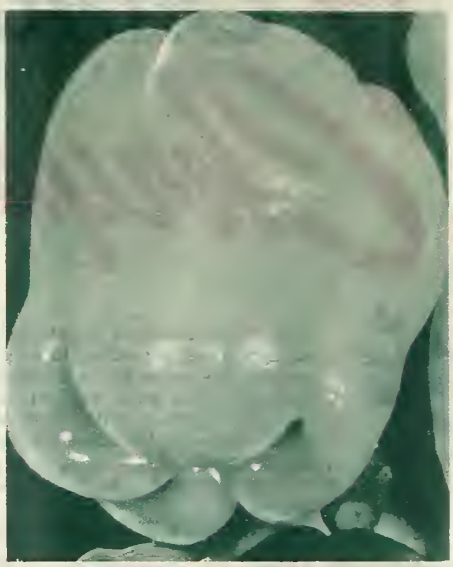
T-19 TOMATO GIANT TREE. Pkt., 50c.

"Giant Tree tomato is producing heavily, with each tomato weighing more than a pound. The vines, trained on stakes, tower 7 or more feet high.*** The tomatoes are enormous***. One can make a full salad."

George Cooper, veteran tomato grower of St. Paul, Minn., sent three fruits that "weighed exactly 5 pounds" to Paul Light, columnist on the St. Paul Pioneer Press, who published this thank-you note: "Thanks to George Cooper for the biggest, reddest, fattest tomatoes I've ever seen. Three of them have supplied the Light family's considerable salad needs for almost a week. Mr. Cooper tells me they are of the Giant Tree variety and the plants grow to a height of seven or eight feet."

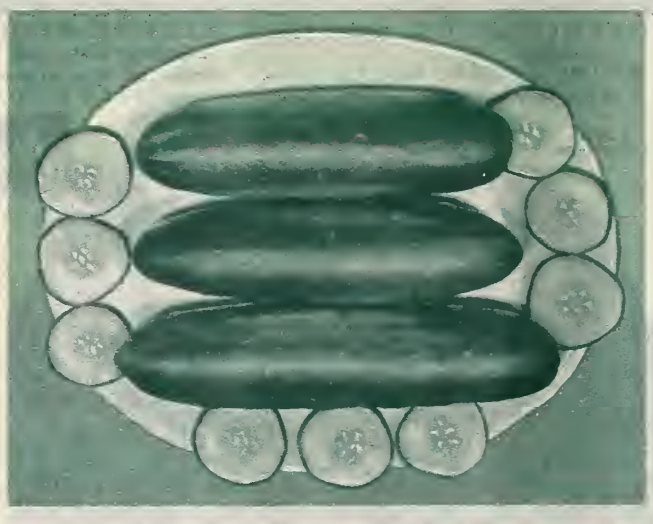
J. L. Criswell of Chicago grew vines nine feet tall, with some fruits that weighed over 2 pounds and "many tomatoes that ranged from 1½ to 2 pounds." His fifty plants supplied tomatoes for the neighborhood.

The huge fruits have few seed, a mild non-acid flavor, and meaty flesh; they are borne on potato-leaved plants of amazing vigor. Reports of success come from many sections of the country but we do not recommend this variety for southern and southwestern states. Elsewhere, you will eventually grow this variety. Why not be ahead of your neighbors? Pkt., 50c.



A Perfect Cucumber, If We Ever Saw One

C-186 Sensation Hybrid Cucumber. 65 days. Rarely is a vegetable variety of ideal shape, size, color, and table quality, combined with amazingly heavy yield. But in this product of the plant breeder's skill we find them all, plus that uniformity which is characteristic of first generation hybrids. Seed is produced by crossing two pure-bred parent strains—an expensive process, but the cost is justified by the superlative product. The fruits average six to eight inches long, with dark green skin, firm white flesh and small seed cavity. The plants have a full measure of hybrid vigor, the quality which has made hybrid corn so great a success. Vines are heavy, foliage abundant, and growth is strong and fast. The season of bearing is exceptionally long. Pkt. (35 seeds), 50c.



C-186 SENSATION HYBRID CUCUMBER. Pkt., (35 seeds) 50c.

Beautiful Blonde

P-75 Pepper Golden California Wonder. 80 days. Yes, color is important for a pepper. On a midsummer day, when a luncheon hostess plans a salad course to tempt her guests, red peppers look hot, even though you know they are mild and stimulating. This variety duplicates California Wonder's top quality in everything but color, being mild, sweet, large, thick fleshed and heavy yielding. But instead of red, it is a lovely golden yellow. Pkt., 25c.

B-34 GREEN POD BUSH BEAN RIVAL. Pkt., (1½ oz.) 50c.

Uncle Sam's Men Breed a Superfine Bean

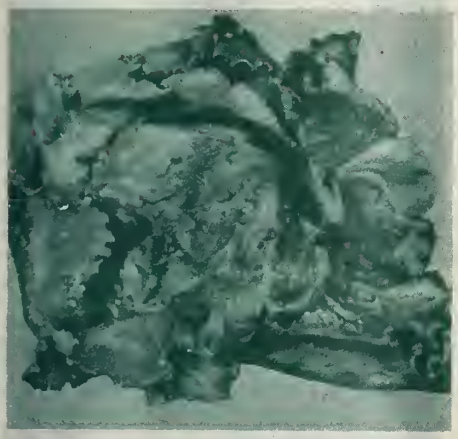
B-34 Green-pod Bush Bean Rival. 52 days. Beans have come a long way since grandmother had to pull the strings off before cooking. Home gardeners have long had stringless varieties which would delight her heart, but plant breeders keep trying to improve them; and Dr. W. J. Zaumayer of the U. S. plant breeding station at Beltsville, Md., took the lead when he produced Rival. Its straight, 6-inch, semi-round pods are not only stringless but completely without fibre, so that they almost melt in your mouth. Their color, dull green in the field, becomes bright green when cooked, canned or frozen. And finally, their yield far exceeds that of other top quality varieties. Seed as yet is very scarce so we must limit each buyer to one packet. Pkt. (1½ oz.), 50c.

C-127 HYBRID SWEET CORN GOLDEN ROCKET. Pkt., 35c.

1949—ALL AMERICA WINNERS

Hot Weather Head Lettuce

L-32 Lettuce Penn Lakes. 80 days. This is the latest answer to the old question asked by gardeners east of California: Why can't I grow head lettuce like the stores sell? Dr. M. T. Lewis of Pennsylvania State College bred this variety for eastern growers and won a Bronze Medal in the All America trials for 1949. Pkt., 25c.



L-32 LETTUCE PENN LAKES Pkt., 25c.

Cherry-Red Radish

R-9 Radish Cherry Belle. 25 days. Round and red as a cherry, this radish comes from Holland. Its crisp flesh is slow to turn pithy, and it can be sown for several crops before hot weather comes, being at its best when the nights begin to warm up. It has short tops and thrives in any garden soil. All America bronze medal 1949. Pkt., 25c.

R-9 RADISH CHERRY BELLE Pkt., 25c.

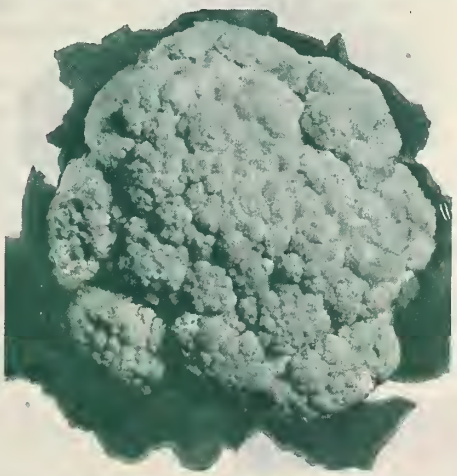
New Type Bush Lima

B-31 Bush Lima Bean Triumph. 72 days. Most gardeners would rather grow big bush lima beans (Fordhook), but find that the small ones (Henderson) are easier and give larger yields. So Drs. Magruder and Webster of the U. S. D. A. crossed a big one with a little one, and produced this medium size, which combines heavy yield with top quality. All America bronze medal 1949. Pkt., 25c.

B-31 BUSH LIMA BEAN TRIUMPH. Pkt., 25c.

Rugged Swiss Cauliflower

C-66 Cauliflower Ideal. 60 days. Our springs are rugged for a cauliflower plant, which may freeze at first, then have to mature in summer heat. This variety from Switzerland, which won a bronze medal in the All America trials for 1949, will stand both heat and cold, and head reliably under adverse conditions. It did well in trials from Canada to Texas and California. Pkt., 50c.



C-66 CAULIFLOWER IDEAL. Pkt., 50c

New Early Sweet Corn, Biggest, Sweetest Yet

C-127 Hybrid Sweet Corn, Golden Rocket. Next to largest tomatoes in the community, most amateurs want to grow the earliest sweet corn. Earliness was formerly obtained at the cost of size, yield and flavor; but the new Golden Rocket upsets all precedents in this respect. Maturing in 65 days, it bears ears 8 inches long, with 12 straight rows of kernels, on stalks 6 ft. tall. The yield and quality are amazing, for the brief time it takes to mature. Don't miss this one. Pkt., 35c.

C-49 CARROT, SWEETHEART. Pkt., 20c.

When a Carrot's Heart is Sweet, It's a Honey

C-49 Carrot Sweetheart. 70 days. This well named carrot, like most, has a core (call it a heart) but you can hardly see it, and unlike most others, the heart is quite as tender and almost as sweet as the thick outer layer of its root. The deep orange coloring extends through all the flesh. This is a product of French breeders who have a flare for carrots; and an improvement on the type which includes Nantes and Touchon, long quality leaders. It has the blunt end, slender cylinder shape, averaging 1½ by 6 inches. Pkt., 20c; ½ oz., 40c; oz., 70c; ¼ lb., $1.75.

C-108 HYBRID SWEET CORN GOLDEN CROSS. Pkt., 15c.

Hybrid Sweet Corn Team

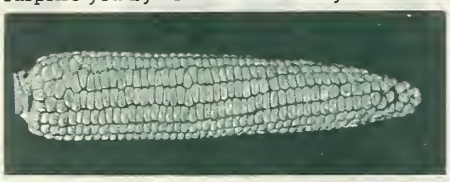
Plant the four varieties illustrated below at the same time to produce an all season harvest of highest yield and quality. 2 oz. of each variety in separate packets totaling ½ pound..... 50¢

Each variety listed below, ordered separately: Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., $1.35.

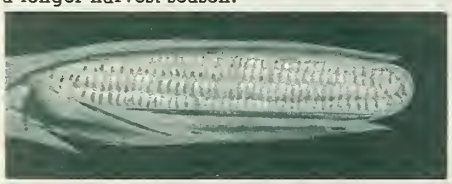
Annual tests are made in our trial grounds of both new and old hybrid varieties. On the basis of these tests the four varieties below were chosen as the best available in 1949 to give the longest harvest season coupled with highest quality and best yield.

C-108 Golden Cross. 79 days. Sweet as Golden Bantam, with much larger ear, this is deservedly most popular of hybrids. Ears are 12 to 14 rowed, nearly eight inches long. Highly resistant to Stewart's disease.

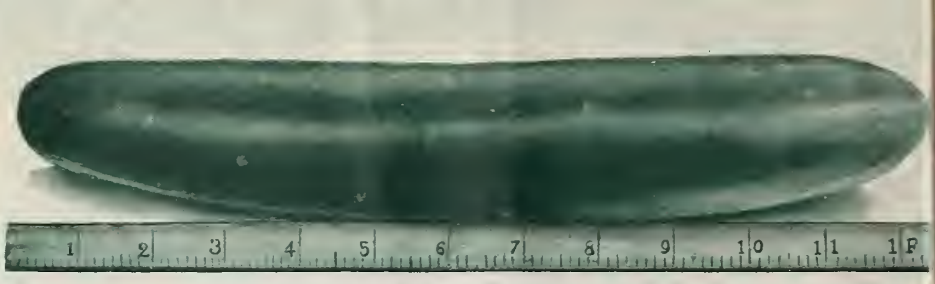
C-122 Surprise. 64 days. Earliest hybrid variety of good quality, this is ready for the table in eight weeks from sowing and will surprise you by its sweetness and yield.



C-117 Marcross 39. 72 days. Second early of this group, it is sweeter than Surprise, with larger ears. It gives a heavier yield and has a longer harvest season.



C-109 Improved Golden Label. 83 days. A greatly improved variety of exceptional tenderness. Our best late hybrid, excellent for freezing and canning.



C-170 CUCUMBER MANDARIN. Pkt., 25c.

Earliest, Tops in Quality and Blight Resistant

C-170 Cucumber, Mandarin. 45 days. Have you ever grown cucumbers which suddenly died, just when they began to bear? Then you know cucumber blight and can value blight resistance. When in addition, a variety fruits in 45 days, grows equally well crawling or climbing, and bears 12 inch fruits of finest salad flavor, it's no wonder Mandarin has grown in popularity ever since we bred it. Seed from China, sent us by Dr. Yamei Kin, an expert breeder, were crossed with white spine varieties to produce Mandarin. Two sowings, 20 days apart, will give cucumbers all summer long. Pkt., 25c; oz., 55c; ¼ lb., $1.75.

Squash Fans Agree, This Is the Best

S-24 Squash, Butternut. 100 days. There are several good squashes, so why is this best? They say it's sweeter, and a better keeper, than even Buttercup, or Acorn; and yields a heavier crop for the space occupied. It has more flesh, less seeds, as you can plainly see; ninety percent of its heavy fruit, which may grow 12 inches long, is exceedingly firm, dry, mealy, delicious orange flesh. Even if you already have a favorite squash, better try this. Pkt., 15c; oz., 50c; ¼ lb., $1.50.

S-24 SQUASH BUTTERNUT. Pkt., 15c.

New Early Broccoli Gives All-Summer Crop

B-96 Broccoli, De Cicco. 60 days. Broccoli all summer is in the grasp of every amateur, with this variety, earliest of all. Started indoors, or sown as soon as the soil can be prepared, it produces edible heads before hot weather begins to slow down growth. Ten days earlier than Italian Green Sprouting which it resembles otherwise. Rich in the vitamins which cauliflower lacks, many think its flavor superior. When the first and largest center head is harvested, side shoots and sprouts develop, until the plants are frozen in the fall. Pkt., 25c.

B-96 BROCCOLI DE CICCO

C-30 CABBAGE RACINE MARKET. Pkt., 25c.

This Cabbage Is One of the Green, Leafy Foods

C-30 Cabbage, Resistant Racine Market. 64 days. The greener a vegetable, the more vitamins in it, say nutritionists. Most cabbage leaves are white, but this one has bluish green leaves considered ideal by breeders. It is a round head, reaching good size quickly, and is ideal for the home gardener who grows an early crop in limited space. In addition, it is resistant to the yellows disease, which is likely to develop whenever soil temperatures rise above 85 degrees for even a few days. Pkt., 25c; ½ oz., 65c; oz., $1.25; ¼ lb., $4.25.

KEEP YOUR LAWN *Beautiful* with *Vaughan's* LAWN SEED MIXTURES

HEDRICH-BLESSING, LTD.

A PERFECT lawn is now within the reach ot every home, at a fraction of the care and cost it would have involved a few years ago. Weeds can be destroyed without injury to grass by three or four sprayings annually, taking little time and less muscle. Crab grass, in many sections the worst of all lawn weeds, was almost the only one to survive treatment with 2,4D; and now it has been laid low by a mercury compound, sold under the name Sel-Tox. See Page 8.

Science has also given us improved lawn seed, and Vaughan's mixtures have been changed, where necessary, to keep them abreast of the latest advances in seed breeding.

Improved "Chicago Parks" Mixture

To this blend of permanent grasses, which for half a century has been standard for blue grass lawns, we have added a liberal amount of the new Creeping Red Fescue, a new strain developed by scientific breeding methods. This fine leaved grass spreads from the roots, blends well with other grasses, and so thickens the turf as to help crowd out weeds.

Price, ½ lb., 55c; 1 lb., $1.00; 2 lbs., $2.00; 3 lbs., $2.95; 5 lbs., $4.85; 10 lbs., $9.50; 15 lbs., $14.15; 20 lbs., $18.75; 25 lbs., $23.25; 100 lbs., $89.00.

We offer this mixture without clover under the name "Vaughan's Fairway Formula"—Prices same as "Chicago Parks."

Vaughan's Special Purpose Mixtures

We recommend our lawn mixtures, composed of suitable varieties of grass seed, because results are more satisfactory from a correct combination of grasses than from a variety sown alone. Our grass seed division has long been known as an authority on growing fine turf, and for the guidance of our customers we send our booklet on lawn-making upon request and without charge. **A copy of this booklet is enclosed in every carton and bag of Vaughan's lawn seed mixtures.**

For Your Protection—Always remember that we neither buy nor sell seeds that are not tested in our own officially recognized laboratory for purity, germination, identity and freedom from weeds.

Vaughan's "Columbian"

Formula for Shady Lawns or Sandy Soil

In making a lawn on sandy soil or in partial shade, conditions are met which require the use of a special grass seed blend. Vaughan's "Columbian" is the correct blend for such locations.

Price, ½ lb., 55c; 1 lb., $1.00; 2 lbs., $2.00; 3 lbs., $2.95; 5 lbs., $4.85; 10 lbs., $9.50; 15 lbs., $14.15; 20 lbs., $18.75; 25 lbs., $23.25; 100 lbs., $89.00.

Vaughan's Dense Shade Formula

An exceptional formula which is particularly adapted to heavily shaded areas and will also do well in lighter shade. We have spared no care or expense to make this lawn seed the best obtainable for the purpose. Does not contain clover.

Price, ½ lb., 55c; 1 lb., $1.00; 2 lbs., $2.00; 3 lbs., $2.95; 5 lbs., $4.85; 10 lbs., $9.50; 15 lbs., $14.15; 20 lbs., $18.75; 25 lbs., $23.25; 100 lbs., $89.00.

Quantity to Use—On new lawns, use 1 lb. for every 300 square feet; 5 lbs. for 1500 square feet; 135 to 150 lbs. for one acre. To replenish lawns where turf is thin, use half quantity.

VAUGHAN'S No. 25 LAWN FORMULA

An economy blend for new seedings and quick results which should be followed by reseeding with a more permanent blend like our "Chicago Parks." In spite of its low price, this blend does not contain timothy. Sow at the rate of 1 lb. to every 200 sq. ft. Begin cutting when grass is 3 to 4 inches high and continue to cut regularly to keep turf fine. Price, 1 lb., 75c; 2 lbs., $1.50; 3 lbs., $2.20; 5 lbs., $3.60; 10 lbs., $7.00; 15 lbs., $10.40; 20 lbs., $13.75; 25 lbs., $17.00; 100 lbs., $64.00.

Vaughan's "Private Estate" Bent Formula

FOR LAWNS "DE LUXE"

This formula contains over 98% pure seed and is free of all noxious weeds. In addition to Kentucky Blue Grass of the highest quality, to insure a durable and resistant foundation for your lawn, it includes an important proportion of Certified Bent. It produces a heavy turf of very fine texture.

This mixture is equal or better in purity to the highest priced mixtures on the market and most important, contains more bent seed. It is the best value on the market.

Price, 1 lb., $1.25; 2 lbs., $2.50; 3 lbs., $3.70; 5 lbs., $6.10; 10 lbs., $12.00; 15 lbs., $17.90; 20 lbs., $23.75; 25 lbs., $29.50; 100 lbs., $114.00.

Bent Lawns from Certified Seed

Ask for Our Bent Leaflet

Bent grasses are increasingly popular for lawns, especially in cities where lawns are small in area and extra care is not burdensome.

Seed at the rate of 3 to 4 lbs. per 1,000 sq. ft.

ASTORIA BENT. Astoria Bent is identified by its numerous rootstocks which spread underground and throw up new shoots, making a very thick turf, and by the presence of runners above ground in the early stages of development. This Bent has a good color and is excellent as both a lawn and putting green grass. It does not require as much cutting as Creeping Bent. We highly recommend this type.

SEASIDE BENT. This is a true unmixed Creeping Bent grass seed which spreads by surface runners instead of by the underground root stalks which characterize the Astoria Bent.

Our Bent Leaflet Is Included in Each Bag

ASTORIA BENT GRASS. Price, ¼ lb., 60c; ½ lb., $1.00; 1 lb., $1.75; 2 lbs., $3.50; 3 lbs., $5.20; 5 lbs., $8.50; 10 lbs., $16.75; 15 lbs., $24.75; 20 lbs., $32.60; 25 lbs., $40.00.

SEASIDE CREEPING BENT GRASS. Price, ¼ lb., 55c; ½ lb., 95c; 1 lb., $1.70; 2 lbs., $3.40; 3 lbs., $5.05; 5 lbs., $8.25; 10 lbs., $16.25; 15 lbs., $24.00; 20 lbs., $31.60; 25 lbs., $38.75.

SEE FOLLOWING PAGE FOR LAWN WEED KILLERS, AND PAGE 88 FOR PRICES ON OTHER GRASSES

Weedless Lawn, With Far Less Work, Now in Reach of Everyone

Chemical aids are transforming garden methods. Insects, diseases and weeds which have reduced harvests for generations, in spite of back-breaking efforts to control them, are being conquered by sprays and dusts.

Fantastic pictures of the farm of the future are painted by experiment station prophets, some of whom predict that harmful insects will be exterminated, and the sprayer will entirely displace the cultivator, with crop yields breaking records.

For the amateur, perhaps the greatest change that chemicals have produced is in lawn-making, a problem which interests every home owner. A weedless lawn is now within reach of everyone, with far less work than it took a few years ago to maintain the average stand of grass mixed with forty-percent weeds.

A Modern Lawn Program

Equipment needed for an up-to-date lawn program consists of a 2,4D sprayer, a sprinkler which will mix soluble plant food with the hose water, and a lawn mower, of course. In the spring, before the dandelions bloom, spray with 2,4D. When the weeds die down, apply a soluble plant food, mixed with the hose water, to speed up the spreading of grass into the bare spots left by dying weeds.

When warm weather begins, and the first tiny sprouts of crab grass appear, spray the lawn with sel-tox, using the special 2,4D sprayer. If any new weed growth appears, apply a second spray of 2,4D, followed by a soluble plant food application in the hose water.

Midsummer will slow down growth of the fine lawn grasses, and stimulate crab grass seedlings, if any have survived the first sel-tox spraying. A second application should be made to make sure these plants do not go to seed; and another light meal of plant food, via the hose water, will keep your grasses green and growing during the hot weather.

A fall application of 2,4D is used by many, to destroy any weed seedlings which may have germinated during the late summer, and insure a clean lawn to start the new year.

Remember that both sel-tox and 2,4D will take hold better if the lawn is mowed just before they are applied.

Weedone

Original commercial form of 2,4D, this is a liquid, which is diluted with water and sprayed on the plants to be killed. Many regard it as the most effective form of the chemical. It does not irritate the skin, or corrode spraying equipment. Leaves no residue on plants which is harmful to live stock and does not make the soil sterile.

Size	Area Treated	Prepaid Price
6 fl. oz.	1,000 sq. ft.	75c
1 qt.	5,000 sq. ft.	$2.50
1 gal.	20,000 sq. ft.	6.50
5 gals.	100,000 sq. ft., $21.25 by express collect.	

Weedust

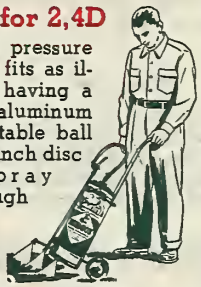
For lawns where weeds are few, and can be spot treated, this powder form of 2,4D is effective. Supplied in applicator can from which it can be dusted where desired. Safe to use on bent lawns. Large can enough to kill 1,000 weeds, 75c.

SEL-TOX, NEW SELECTIVE Crab Grass Killer

It contains phenol mercuric acetate solubilized, which has been proved in exhaustive tests to kill crab grass without injuring desirable lawn grasses. It can be used at any stage of growth, from the seedling stage to maturity, with equal effectiveness. Though a poison, it is mixed with water 100 times its bulk, and is easily handled with safety at all stages. Apply with watering can or sprayer. Complete directions on each bottle.

Quantity	Area Treated	Postpaid Price
8 oz.	1,000 sq. ft.	$1.10
16 oz.	2,000 sq. ft.	1.65
Quart	4,000 sq. ft.	2.70
Gallon	16,000 sq. ft., $9.00 by exp. collect.	

Special Sprayer for 2,4D



A Hudson 3½ gallon pressure sprayer with copper tank fits as illustrated on a light cart having a steel frame and axle, with aluminum tube handle, with comfortable ball grip. The cart rides on 6-inch disc wheels, rubber tired. Spray material is discharged through a 24-inch oil and chemical proof hose, through brass control valve, 24-inch brass tube, and 18-inch brass boom with three nozzles, fitted with disks for flat-fan spray, spaced nine inches apart. As you roll the cart over the lawn at a slow walk, spray from the three nozzles wets the grass. It takes 10 minutes to cover a 50x 100 foot lawn uniformly. Complete, packed in two cartons, weight 15 lbs. $20.00, F.O.B. Chicago, Ill., or New York, N.Y.

Herbicide Kills All Plants in Paths

Used on spaces where plants are not wanted. It is poisonous, and live stock should be kept off the treated ground until the dead leaves wither away. For ordinary weeds herbicide is diluted with 50 times its volume in water. One gallon will cover 2,500 square feet. Qt., 75c; gal., $2.00; 5 gals., $7.50; 10 gals., $12.50; 55 gals., $44. By exp. collect.

New Insecticide Makes Plants Poisonous to Insects

SODIUM SELENATE, applied to an ornamental plant or the soil about it, is absorbed by the plant tissues and destroys many insects that attack the plant. Never use on food crops.

Excellent results are reported on control of gladiolus thrips and chrysanthemum pests outdoors. Safest method of outdoor use is to apply P-40, containing 2% sodium selenate, 3 lbs. to 100 square feet, or 100 feet of row. Broadcast after planting, and rake into top soil. P-40, containing 2% sodium selenate 3 lbs., (to treat 100 square feet or 100 feet of row) $1.50, prepaid; 25 lbs., $6.50 by express, charges collect.

For suitable sprayers, see index.

Liquid Food for Lawns

Greens keepers of golf clubs keep their fairways and putting-greens growing by applying plant food dissolved in water during the summer. This spreads food evenly, and makes it instantly available. The Crystal Fertilizer Dispenser enables amateurs to use the same method. Soluble plant food in the container, illustrated, is mixed with the hose water in a perfectly safe proportion, which insures against burning. It can be connected between the hose and your regular lawn sprinkler, or a sprinkling attachment can be supplied which will spread the water and plant food over an area of 400 square feet, in gentle rain-like spray. Crystal Fertilizer Dispenser, $3.95; postpaid $4.20. With sprinkler nozzle as illustrated, No. 510, $4.45; postpaid $4.75.

Soluble Plant Food

For even and easy application of plant food to the lawn, a high analysis, soluble chemical mixture which can be mixed with the hose water is ideal. HY-GRO is quickly soluble and contains 13 percent nitrogen, 26 percent phosphorus, 13 percent potash. It also contains all the minor chemical elements required by plants, assuring a complete balanced ration for all garden plants. It can be used for starter solutions, in transplanting, and for side dressing rows, where it becomes immediately available to the roots without disturbing the soil.

HY-GRO 3 oz., 25c; 20 oz., $1.00; 10 lbs., $4.00; 25 lbs., $8.00; 100 lbs., $25.00.

Protexall Combats All Plant Pests

PROTEXALL, introduced by us as a one-shot spray or dust using new post-war insecticides and fungicides to combat almost all insects and plant diseases with one treatment, has been remarkably successful.

PROTEXALL CONTAINS

D. D. T., which kills most garden insects.

Rotenone, fatal to aphids, bean beetles, and all others which may be unharmed by D.D.T.

Fermate, harmless to all plants, and giving complete protection from many pests which resist other materials.

Sulphur, which deals with most troubles which fermate does not.

Protexall spray is a powder which mixes easily with water. Protexall Dust comes mixed with a spreader and is ready for instant use. It is necessary to order the form you prefer and have the equipment to use, since the spray material does not make an efficient dust, and the dust cannot be used as a spray.

Protexall Spray, 1 oz., 40c, prepaid 45c; 4 oz., $1.25, 1 lb., $3.75, prepaid; 5 lbs., $17.50, F. O. B. Chicago or New York.

Protexall Dust, 1 lb., 95c, prepaid $1.00 4 lbs., $3.50, prepaid $3.75; 50 lbs., $35.00, F. O. B. Chicago or New York.

New Flowers and Specialties

A Bush of Breath-taking Blue

2947 Ipomoea Blue Mound. 12 in. Is any flower lovelier than Heavenly Blue Morning Glory? It can transform a trellis or wall into a picture that takes your breath away. How often have you wished for a bushy plant with flowers as lovely, to grow in a garden vase, large flower pot, or in the border at an accent point? Well here you have it; a "mutant" of Clarke's Heavenly Blue Morning Glory, which nature caused to grow as a bushy mound, rather than a vine. From a single plant, whose seed reproduced this characteristic, a strain which "comes true" has been developed. In our opinion it is the outstanding novelty of the year. Pkt., 25c.

2947 **IPOMOEA** Blue Mound. Pkt., **25c.**

And now, A Hybrid Petunia

4010 Petunia Silver Medal. 15 in. We have hybrid corn and cucumbers, which scientists say are better than ordinary kinds because of a mystic quality called "hybrid vigor." So here is a hybrid Petunia, bred from two parent strains, crossed by hand pollination, perhaps the forerunner of many such plants to bring new beauty to our gardens. "Silver Medal Petunia" won the top award of the All America Trials for 1949, by qualities described as follows: 3-inch flowers of bright salmon pink with rose sheen, borne in amazing abundance on dense plants 15 to 18 inches wide, so vigorous they resist "breaking apart" in the row even in bad weather. Flowers from seed in 90 days, and continues until frost. Pkt., 50c.

4010 **PETUNIA** Silver Medal. Pkt., **50c.**

Hollyhock Flowers from Seed this Year

2841 Hollyhock Double Annual Indian Summer Mixed. 5 ft. All America Bronze Medal winner. These lovely double hollyhocks, of a wide range of pleasing colors, have all the beauty of the perennial type, and are in fact hardy perennials. But they grow so quickly from spring sown seed, that by mid-summer you have blossoms, which continue until fall. As background plants in the border, they will prolong the season of hollyhock-beauty almost until winter. Pkt., 25c.

New Larkspur Strain—Supreme

A new strain of base branching habit with colors distinctly different. The upright plants bear large double flowers with broad petals closely spaced on the stem.

2127 Lilac Supreme. A pleasing clear lilac.
2128 Rose Supreme. Pure deep rose.
2129 Salmon Supreme. True salmon of much deeper tone than others.
2130 White Supreme. White without the slightest trace of pink.
Each of the above, Pkt., 15c; any 4 Pkts., 50c.

Aquilegia ①

Culture: A, B, D or E, Page 53

7152 Vaughan's Super Long Spurred Mixture. Flowers of enormous size in brilliant color range; 3 to 4 inch spurs. Exclusive with us. Pkt., 50c.

Sky-blue, Star Morning Glory

2939 Ipomoea Blue Star. All America Honorable Mention. A giant flowered morning glory of light sky blue accentuated by five deeper blue midribs to form an attractive star. Flowers are of large size, larger and earlier than Clarke's Heavenly Blue, averaging 4 to 4¼ inches in diameter and borne in great profusion. The flowers remain open well into the the afternoon on cloudy days. Pkt., 25c.

2939 **IPOMOEA** Blue Star. Pkt., **25c.**

On Our Front Cover

PRINCESS ASTERS.

Culture A, B, D or E, Page 53.

Vaughan's Princess Asters are of a new type, characterized by full crested centers surrounded by several rows of guard petals, producing fully double flowers whose beauty is evident from our front cover illustration. Plants are branching, with several flowers on each main stem, giving a bushy effect in the border. They are early and free bloomers and make splendid cut flowers. Varieties illustrated on the front cover are (see outline sketch to left):

1—627 **Princess Marsha,** scarlet.
2—625 **Princess Anne,** rose pink.
3—621 **Princess Linda,** (1949 Introduction), clear rose.
4—623 **Princess Golden Sheaf,** yellow.
5—624 **Princess Barbara,** orchid.
6—626 **Princess Bonnie,** salmon rose, gold center.

Each of the above, Pkt., 25c; any three packets for 65c.

632 Vaughan's Special Mixture of Princess Asters, containing all the above, including the 1949 Introduction Princess Linda. Pkt., 25c.

KEY TO SYMBOLS: □Annuals. #Biennials. ①Perennials. ÷Greenhouse Plants. +House Plants. =Climbing Plants. ×Rock Garden Plants.

887 **ASTER** Giant California Sunshine Mixed. Pkt., **25c.**

317 **ANTIRRHINUM** Cherry Rose. Pkt., **25c.**

949 **SINGLE ASTER** Rainbow Mixed. Pkt., **25c.**

Sunshine Asters ☐

Culture A, B, D or E, Page 53

887 Aster Giant California Sunshine Mixed. Though not new, many consider this the most beautiful of all asters. The flowers 4 to 5 in. across are composed of a single row of loosely placed outer petals which contrast with the unique yellow quill-like center discs. Stems long and heavy on plants 2 to 3 ft. in height. Blooms early to mid-September. ⅛ oz., 50c; pkt., 25c.

Single Asters ☐

949 Aster Rainbow Mixture. 24 inches. A new strain of single asters producing large flowers of all the colors of the rainbow, except yellow, including many tones of blue and violet, rose and crimson, but without flesh pinks or white Sturdy, upright growth. Pkt., 25c.

Garden Carnations

Culture: D, E, A or B, Page 53

1351 J. M. Bridgeford. (Malmaison.) 1¼ ft. From seed sown indoors (or outdoors) bears in 90 days on long stems, lovely fully double Carnations, 3 to 4 inches across, of all Carnation colors, most fragrant of all. Flowers throughout the summer Pkt., 50c.

New Antirrhinums ☐

RUST RESISTANT SNAPDRAGONS

Culture: A, B, D or E, Page 53

317 Large Flowered Cherry Rose. Outstanding new color, the most brilliant deep cherry rose imaginable. The plants are base-branching with straight stems of long spikes, all with large; well placed flowers. Pkt., 25c.

323 Antirrhinum Large Flowered Dwarf Dandy. Flowers are a glowing orange with a white tube. A very brilliant shade. Pkt., 25c.

336 Rosalie. A rich deep rose with underlying tone of topaz or amber. The tube and lip are the same color, Plants base branching and produce 6 to 8 huge flowering spikes. Pkt., 20c.

349 Padre. A glistening crimson, rich and beautiful; an excellent grower with uniformly compact contrasting foliage. One of the best. Pkt., 20c.

GIANT RUFFLED "TETRA-SNAPS"

430 Superfine Mixed. A new race of snapdragons created scientifically by treating normal flowers with the drug colchicine, which made a fundamental change in the cell formation, in technical terms changing diploids into tetraploids. This resulted in larger flowers, with thicker petals, attractively ruffled, fuller spikes with more florets open at one time, heavier stems and sturdier plants. Each plant produces several stems, the central spikes averaging 2½ ft. surrounded by lesser ones. Mixture includes a complete range of snapdragon colors in harmonious combinations. Pkt., 25c.

429 Orchid. Rich shade of orchid-purple prettily marked with a sulphur yellow blotch on lower lip. The massive spikes of large, closely placed, wide open flowers make a most impressive showing in beds and borders, or as cutflower subjects. Pkt., 35c.

431 Velvet Giant. 2½ ft. tall, each plant produces 6 to 12 spikes. Rich, velvety, deep crimson blooms show an undertone of orange-bronze. A top-notch variety for cutting and garden. Pkt., 25c.

1802 **THE GOLDEN CLEOME.** Pkt., **25c.**

1803 **CLEOME** Pink Queen. Pkt., **25c.**

"Spider-Plant"

Culture: D or E, Page 53

1803 Cleome Pink Queen. ☐ Huge heads of delightful and refreshing true pink. Reaches over 4 feet, well branched, airy foliage, blooming from June until frost. Excellent background subject. Pkt., 25c.

1802 The Golden Cleome. ☐ A new color in the spider flower. Blossoms resemble Cleome Pungens in form, but are of a rich gold, approaching orange, carried in abundance on stems which will grow eight feet. To keep them lower, crowd the plants. It prefers a location in the full sun, and likes sandy soil. Blooms from mid-July until killing frosts. Pkt., 25c.

1209 **CALENDULA** Pacific Golden Giant. Pkt., **25c.**

1500 **CENTAUREA** Jubilee Mixed. Pkt., **25c.**

Grace and Color Brilliance in New Calendula

1209 Calendula Pacific Golden Giant. 24 in. In this latest version of the flower which Shakespeare knew as "marygold," the long, rather loosely arranged petals of true golden-orange, have highlights which produce a two-toned effect, when they reflect the sunshine or glow in artificial light. Flowers are uniformly larger, stems longer, and color more brilliant, and the plants are resistant to midsummer heat. Though not a hardy plant, calendulas are usually the last annual flowers to remain blooming in the fall garden. Many sow seed late in June for autumn flowers. Pkt., 25c.

Bright Red Cosmos

1985 Cosmos Crimson Scarlet. 3 ft. Flowers of the largest size, uniformly crimson-scarlet without a trace of purple, are borne very early by this new variety. In addition to its merit in the garden, where it blooms freely until frost comes, it is an excellent cut flower. Pkt., 25c.

Decorative Pop Corn □

Culture A, Page 53

1928 Strawberry Corn. While this is really a "Pop Corn" and a very good one at that, its charm is in its attractive effect of the tiny ears which are only 2 in. long and 1½ in. wide and are a rich and shiny mahogany color, not unlike a gigantic strawberry. They are enclosed in straw-colored husks. Pkt., 25c.

1928 **STRAWBERRY CORN.** Pkt., **25c.**

Many Colors in Dwarf Bachelor-Buttons

Culture A, B, D or E, Page 53

1500 Centaurea Jubilee Mixed. 1 ft. Colors illustrated above are included in this mixture. The plants have a similar habit to blue Jubilee Gem, (see page 23) and white Polar Bear, listed below, forming low bushes with a blossom terminating every stem and branch. Self-seed in most localities, and do well from fall sown seed. Pkt., 25c.

1503 Centurea Cyanus Polar Bear. 18 in. Dwarf variety making a compact plant covered with pure white double flowers, foliage forms a tufted mass of bright green. A companion to Jubilee Gem offered in general list of annuals. Pkt., 20c.

White Sweet William

DIANTHUS BARBATUS, Perennial.

Culture: B, D or E, Page 53

7650 Giant White "Special." Pure white flower clusters, ⅓ larger with strong wiry stem from ⅓ to ½ longer than ordinary. In growth it resembles the Perennial Phlox and is a splendid cut flower. The individual florets average from ½ to ¾ of an inch in diameter, their size depending somewhat on the culture. The flower clusters range from 4 to 7 inches. Sown from May to July will bloom next June. Pkt., 25c.

Ornamental Cotton

1997 Sown indoors, and transplanted after danger of frost is over, cotton plants develop quickly into low bushes of definite ornamental value, with lovely pink buds followed by creamy blossoms. The white bolls make winter bouquets, and teach the children a valuable lesson. Sorry, cannot be sent to California on account of quarantine regulation. Pkt., 25c.

7650 **DIANTHUS** Barbatus Giant White Special. Pkt., **25c.**

7522 **DELPHINIUM** Chinese Cambridge Blue. Pkt., **25c.**
7523 Chinese Blue Mirror. Pkt., **35c.**

True Blue Delphiniums

Culture: A or B, D or E, Page 53 ☐ ①

Chinese Delphiniums are true hardy perennials, which live for years, yet bloom like annuals the first year from seed. Excellent for mass planting.

7523 Delphinium Chinese Blue Mirror. One of the few true navy blue flowers. Pkt., 35c.

7522—Cambridge Blue. Sky blue. Pkt., 25c.

Giant Dahlias from Seed

2076 Dahlia Vaughan's De Luxe Mixture. An outstanding mixture containing all forms of the Formal and Informal Decorative types, as well as Cactus and Semi-Cactus Flowered Sorts. Pkt., 75c.

Geranium Seed

Culture: A, B or C, Page 53

2491 Geranium Flowerland Strain. ☐ Improved single large-flowered seed saved from name varieties. Includes seed of Fiat, White Beauty, Alice of Vincennes, Madam Kovelesky and others which will provide a wide range of colors. This seed will germinate irregularly in from 14 days to two months. The plants may be lifted as they reach suitable size, but the seed box should not be disturbed until germination has ceased. Pkt. (50 seeds), 35c.

2491 **GERANIUM** Flowerland Strain (50 seeds). Pkt., **35c.**

8089 **IRIS** Kaempferi Special Strain. Pkt., **35c.**

Oriental Iris

Culture: A, B or C, Page 53

8089 Iris Kaempferi Special Strain. ① Seed was saved from a grand exhibition collection of six-petaled varieties. Large and rather flat blooms rich in coloring. Blooms in June and July one year after sowing. Pkt., 35c.

3131 **MARIGOLD** Real Gold. Pkt., **25c.**

New Giant Marigolds ☐

3131 Marigold Real Gold. Large carnation-type flowers up to 4½ inches across are borne on compact bushes 20 to 25 inches tall, rather late in season. Color is golden orange illumined with yellow and flowers are abundant. Pkt., 25c.

3130 Frills. 2 ft. A new color in the frilly carnation-type marigolds with odorless foliage. Flowers grow 3½ in. across, clear, vivid golden orange with petals beautifully frilled and waved. Low growing plants produce their lovely flowers profusely summer and fall. Valuable for garden decoration; the long-stemmed flowers highly prized for cutting. Pkt., 25c.

Grow Lilies from Seed

8159 Lilium Philippinense Formosanum Snowdrift. Blooms end of August and can be flowered within 10 months from sowing. Attains a height of 4 to 6 ft., often with 10 to 12 flowers with trumpets 6 to 7 inches across. Pkt., 35c.

Four-o-clock

Culture A, B, D, or E Page 53.

3300 Mirabilis Uniflora. Bright rose flowers of the most unusual "trumpet in trumpet" form. These flowers are deep rose color and are very persistent. The effect is very like that of slender nicotiana trumpets rising from the centers of Petunia blooms. 30 in. tall. Pkt., 25c.

3170A **MARIGOLD** Spry. Pkt., **25c.**

Dwarf Marigolds ☐

Culture A, B, D or E, Page 53.

3170A Marigold Spry. This is a miniature version of Harmony, growing in compact, 9-inch bushes, producing freely flowers less than half the size of the popular variety Harmony. It is uniform and fine for ribbon planting. Pkt., 25c.

3196 Cupid. Another one of the odorless foliaged Marigolds. Dwarf in habit, large Primrose yellow chrysanthemum-like flowers completely cover the plant. Marvelous for edging or border. The flowers are 2 to 2½ in. across and the plants are only 6 inches tall. Pkt., 25c.

3164A Dwarf French Double Butterball. The name fits this pretty edging Marigold of canary yellow. It grows 10 inches tall, in a mound covered with 1½-inch globular blossoms. Early and continuous flowering, excellent for ribbon planting or pot plants. Pkt., 25c.

3172 Dwarf Coronet Improved. Averages about nine inches in height. The variety produces small, Scabiosa-like flower, golden yellow in center and deep mahogany red collar. Plants are compact, free-blooming and early. Pkt., 25c.

3165 Sunkist Orange. It is a dwarf, compact, very early, continuous blooming, dwarf double, 6 to 12 inches tall, flowers 1½ inches across. Comoanion variety for the already popular Butterball. Pkt., 25c.

3163B Yellow Pygmy. 8 in. Light lemon-yellow, Lilliput French double. Small, 1¼ in. blooms, rather free and exciting for edging beds. Pkt., 15c.

3176 Double Dwarf French Primrose. Low growing about the same height as Melody. The flowers are relatively large, of sulphur yellow. Fully double and profuse in flowering. Pkt., 25c.

3196 **MARIGOLD** Cupid. Pkt., **25c.**

Lovely New Swiss Giant

3901 Pansy Swiss Raspberry Rose. An entirely new color in the Swiss Giant strain. A lovely tint of pink best described as Raspberry Rose. It has a suggestion of a lighter tone on the edges of the petals and is marked with a velvety blotch in a deeper tone. An outstanding novelty we are glad to offer again. Pkt., (100 seeds), 75c.

Annuals for Cut Flowers

Culture: A or B, Page 53

1400 The forty or more varieties in this blend are chosen for their value as cut flowers. They are the long stemmed brightly colored flowers that go so well in vases and baskets. This will produce a glorious variety of flowers for cutting. We suggest planting in rows in the vegetable garden where the plants may be cultivated. 1 Oz., 50c; ½ oz., 30c; pkt., 15c.

Improved Forget-Me-Not

3335 Myosotis Alpestris Robusta Grandiflora Improved. 12 in., an extra select strain. Large clusters of mid-blue flowers. Pkt., 25c.

White Perennial

Culture A, B or C, Page 53.

8353 Physostegia Summer Snow. The flowers are a glistening pure white. Resembles the medium tall Rosy Spire in height and form. Handsome plants for sunny border, admirably suited for cutting. Pkt., 25c.

Scotch Violas Are Back

8582 Super Large Flowering Scotch. The Scotch have been great fanciers of Violas and this is a strain they have greatly improved. The flowers are large, all two toned without blotches and have a complete color range. Pkt., 25c.

Early Pansy Grows Tree-like

3865 Giant Spring Beauty. An exceptionally early flowering strain of unique upright habit. The strong stems grow erect, branching as they grow, each branch bearing a flower until the stems reach a height of 7 to 9 inches. These long stems require no support, provide excellent cut flowers, and give an unusual and charming effect in the garden. The colors are remarkably varied, including many combinations of blue and yellow. Pkt., 35c.

3775 Pansy Butterfly Hybrids. A pastel strain with colors in pink, buff, overlaid in pink or bronze, orchid, lavender, yellow, from delicate pale gold to rich orange, pastel red, salmon, coral, rose, all overlaid with a delicate bronze. Pkt. (100 seeds), 75c.

Yellow Iceland Poppy

8296 Papaver Nudicaule Yellow Emperor. 20 in. A true Nudicaule of a clear lemon yellow. Flowers 3½ inches on 18 in. stems from low-growing, bushy plants, very uniform. Five to eight flowers per plant continually for a month or better, early in the summer. Pkt., 25c.

8320 Papaver Schinzianum. Somewhat taller and with slightly larger flowers than the well-known Iceland Poppy. Profuse in bloom all summer and fall. Transplants readily. Color delicate buff-orange. A true perennial. Pkt., 35c.

8312 Poppy Oriental Salmon Shades. An outstanding strain of salmon shades, ranging from light to dark, extra large flowers. Pkt., 25c.

Pastel Tints in Phlox

4105 Phlox Gigantea Mellow Moon. 1 ft. A soft pastel tint of yellow that will harmonize with most colors to be found in home gardens. Florets are 1¼ to 1½ inches in diameter, grouped in large clusters on well formed plants. Pkt., 25c.

4225 Phlox Tetra Red. 20 in. Plants are vigorous, well-branched, and bear profusely very large trusses of delicately scented, deep red flowers, 1¼ in. across. Makes a fine showing in beds or borders; extremely long lasting as cutflower. Pkt., 35c.

4226 Phlox Tetra Salmon. 1 ft. Florets, borne in clusters of 10 or more, are immense, up to 1¾ in. across, a clear light salmon-pink in pleasing contrast to a creamy-white eye. Highly desirable for mass effect or to combine with blue, lavender, white or deep red. Pkt., 50c.

Bushy Sweet Tobacco

Culture: A, B, D, or E Page 53

3403 Nicotiana Daylight In this new hybrid the white blooms remain fully open during even the most brilliant sunshine. When developed, the plants are of a very bushy habit, reaching a height of 1½ to 2 feet, and about the same distance across, throwing an abundance of pure white flowers with the same delightful scent in the evening as Nicotiana Affinis, and makes an idealsubject for bedding purposes. Pkt., 35c.

3865 **PANSY** Giant Spring Beauty. **Pkt., 35c.**

8296 **PAPAVER** Nudicaule Yellow Emperor. **Pkt., 25c.**

4105 **PHLOX** Gigantea Mellow Moon. **25c.**

3949 **PETUNIA** All Double Colossal Shades of Rose. Pkt., (100 seeds), **$1.00**

4051 **PETUNIA** Ruffled Little Giants. Pkt., **50c.**

All Double Petunias

3949 All Double Colossal Shades of Rose was awarded the Silver Medal in 1946. It is the largest All Double variety of American production. Heavy, luxuriant growers, the plants stand 18 in. tall and bear a continuous crop of large flowers in shades varying from light pink to purple rose. The blooms are both fringed and plain edged and reach 4½ in. or more in diameter. Pkt., (100 seeds), $1.00.

3932 All Double America. Medium size flower of carnation form, 100% true for doubleness. The first double ever created in America. Branching erect, the plants develop into trim little plants 1 ft. high and 18 in. wide. Graceful, fully double rose pink flowers up to 2¼ in. Leaves smaller than other varieties with almost entire lack of stickiness. Pkt., (100 seeds), 50c; 1,000 seeds, $3.50.

3933 All Double Mrs. Dwight D. Eisenhower. All America Silver Medal 1947. The lovely soft mild salmon of this new Petunia brings a new and most desirable color to the all double class. The lovely fully double flowers are uniform for doubleness and measure about 2¾ in. across. Splendid for cut flower arrangements. The plants are dwarf, bushy, of good habit, 16 in. tall. Pkt., (100 seeds), $2.00.

3932 **PETUNIA** All Double America. **50c.**

New Single Petunias

Culture: A, B, D or E, Page 53

4051 Petunia Dwarf Grandiflora Ruffled Little Giants Mixed. A very brilliant and merry mixture of large beautifully fringed and ruffled flowers which cover the dwarf erect growing plants. The flowers are pure pink, pink and white, pure red, and red and white. Fine for borders. 8 to 10 inches. Pkt., 50c.

4083 Petunia Blushing Maid. Its single flowers are of largest size, deeply fringed and ruffled, of a rosy pink and white with yellow veins and throat. One of the loveliest giant singles Pkt., 35c.

4060 Grandiflora Dazzler. A new, exceedingly brilliant, large flowering, low growing, dazzling scarlet. Pkt., 25c.

4099 Petunia Large Flowering Dwarf Pink Glory. A very large well formed flower of most exquisite luminous pink shade, with a contrasting paler throat, plant dwarf and compact. Pkt., 25c.

4011 White Perfection. Best dwarf white Petunia. Grows about 10 inches in height. Flowers pure white of fine size and cover the plant. Pkt., 25c.

4052 **PETUNIA** Fringed White Mound. Pkt., **35c.**

Single Large

4052 PETUNIA Fringed White Mound. A low, compact mound of large fringed white blossoms. An excellent plant for cemetery. Pkt., 35c.

Ruffled

4084 Petunia Giant Ruffled Irene. Glowing cherry scarlet, with white center, center slightly veined. Flowers four and a half to five inches in diameter. This is the brightest red of all large fringed varieties. Pkt., 35c.

4045 Petunia Grandiflora Fringed Royalty. Immense blossoms ruffled and waved vary from pure white touched with purple in varying combinations to rich self colored blooms. Often blossoms of all different patterns appear on the same plant. Pkt., 25c.

4046 Petunia The Art. 13 in. The large fringed flowers are boldly striped and blotched with brilliant carmine-rose and pure white. Base branching in habit, it makes an excellent cutflower Pkt., 35c.

4084 **PETUNIA** Giant Ruffled Irene. Pkt., **35c.**

4426 PORTULACA Jewel. Pkt., **25c.**

A Floral Jewel ☐

Culture: A or D, Page 53

4426 Portulaca Single Jewel. No one who has in mind the usual Portulaca flower can imagine the beauty of this new variety, which is four times as large, and of a brilliant deep crimson coloring. It is as free flowering as smaller varieties. Pkt., 25c.

4442 Portulaca Double Scarlet Glow. A brilliant orange scarlet of true double form. Plant in a sunny spot when the ground is warm in the spring and it will be a mass of color all summer. Pkt., 25c.

New Giant Salpiglossis ☐

Culture: A or B, Page 53

4620 Dwarf Giant Flowered Salpiglossis Mixed. Giant flowers of all the delightful colors of this gold-veined trumpet flower are borne on low growing plants of compact habit, and will cover the bed or border with glowing color. Many consider this the best of all summer cut flowers. Pkt., 20c.

Dark Blue Scabiosa

4722 Scabiosa Oxford Blue. 3 ft. A deep, rich campanula blue, far deeper than Ageratum Blue or Blue Moon. The long stemmed, giant size, full double blooms are found at a peak of perfection in Oxford Blue. Bloom is larger than any other scabiosa to date. Pkt., 25c.

Sweet Peas that Flower in Hot Weather

Cuthbertson Sweet Peas. The fact that they continue blooming long after hot weather comes, and other sweet peas have died, is not the only merit of this splendid strain. They are the true Spencer, orchid flowering type, and have exceptional vigor. Their colors are bright and clear, stems long, flowers large and deliciously fragrant.

5251 Carol. Clear pink, white ground.
5252 Coline. Scarlet.
5253 David. Bright rose crimson.
5255 Evelyn. Salmon cream pink.
5263 Frances. Clear salmon pink on white ground.
5256 Frank G. Rosy lavender.
5258 Janet. Black seeded white.
5259 Jessie. Mauve.
5261 Lois. Rose pink, white ground.
5266 Marion. Black seeded cream.
5262 Tommy. Clear medium blue.
Each of the above, pkt., 20c.
5265 Mixed. A brilliant well-balanced blend. Pkt., 20c; ½ oz., 65c.

Gold Flower, Silvery Leaves

2717 Sunflower Silver Gold. 4 ft. An interesting new type with silvery-green foliage. A profuse bloomer, with large golden flowers 3 inches in diameter, on long stems. Excellent for cutting. Excellent background plant. Distinct. Pkt., 25c.

Many Colors in Spiderwort

8550 Tradescantia Mixed. Fully hardy perennial, easily grown from seed and usually giving some flowers first year. Seeds from unnamed and named varieties in colors of rose pink, snow white, rosy mauve, deep purple, sky blue, soft pink and many others. Pkt., 25c.

Upstanding Verbenas

Culture D or E, B or C, Page 53

5714 Verbena Giant Salmon Queen (New Bush Type). Its unique habit of growth makes it outstanding. The plants form compact flat-topped bushes 8 to 10 inches high and 12 to 15 inches across, with the flower heads touching each other. The large flower heads are well filled with broad-petalled florets of bright salmon-pink, with a small white eye. Besides its many advantages as a border plant, the long, straight stems and attractive color make it desirable for bouquets. Pkt., 25c.

5715 Starlight. 10 in. A bright mid-blue with white eye. Plants of uniform bushy habit with flower heads touching each other. Pkt., 25c.

Tom Thumb Zinnias ☐

6050 Zinnia Lilliput Tom Thumb Mixture. Small double flowers cover the plants which grow 6 inches tall. Red, orange, pink, yellow and white pastels. Delightful for low bowls. ¼ oz., 50c; pkt., 15c.

5265 CUTHBERTSON Sweet Peas, Mixture. Pkt., **20c;** ½ Oz, **65c.**

5902 ZINNIA Burpee's Super Giant. Pkt., **25c.**

Latest of Zinnias

Culture: A, B, D or E, Page 53

5902 Zinnia Burpee's Super Giant. A new strain remarkable not only for size, but even more for its new color tones and blends. It is a mixture, not yet selected into well fixed varieties which come true, but this fact will heighten its interest for many gardeners, who will be delighted by the many lovely pastel tones, as well as dark shades to be found in every planting. Petals are usually waved and fringed. The plants grow vigorously. Flowers grow 5½ to 6½ inches in diameter; tones of cream, buff, apricot, salmon, rose and orange predominate, but there are also flowers of yellow, white, scarlet and crimson, with many two and three-tone combinations. Pkt., 25c.

5903 Zinnia Luther Burbank 4 ft. Of delicate pastel or art tints including cream, salmon, rose, blush pink. Flowers grow 5 in. across and petals curl back to form thick flower heads 2 to 3 in. deep. Pkt., 25c.

Surprise!

If You Want a Thrill, Sow in Your Garden This Year This Mixture of 80 Different Annual Flowers, 1 to 3½ Feet Tall. Oz., 25c.

5848 Vaughan's Surprise Garden of Annuals is made up of sun loving annual flowers which will keep the garden gay from early summer until killing frost. It is not a collection of leftovers; but a carefully prepared formula of more than eighty different annual flowers, many of which you have never seen. We want you to know them, and you will be delighted to make their acquaintance and probably will want to order separately another year. Furnishes an unending amount of cutting material and a daily surprise to see what will appear next. This mixture does not contain seeds of vines, nasturtium, etc. Allow plenty of space to avoid crowding, keep watered and weeded, and remove faded flowers. Use these packets (1 oz., each 25c) for gifts for friends on their birthdays. **Oz., 25c; ¼ lb., 90c.**

5848 SURPRISE GARDEN MIXTURE. Oz., 25c.

July 17, 1948

I sent for a package of your Surprise Garden Mixture last winter and sowed them in April. It turned out a wonderful flower bed. We are delighted with the results. All our friends and neighbors are fascinated with the beauty of our flowers. Alice J. Wyckoff,
535 N. Edinburgh Ave., Los Angeles 35, Cal.

195 AGERATUM Midget Blue. Pkt. 25c.

Ageratums □

Culture: A, B, D or E, Page 53

Most popular summer blooming annuals supplying, during the season, dense heads of fluffy flowers in tones of blue and lavender, which are so necessary to balance the color effect in a garden.

195 Midget Blue. Three inch globular plants are smothered with Ageratum blue flowers. Most uniform in habit, truest in color yet produced. The best we know for narrow ribbon planting. Pkt., 25c.

197 Blue Ball Improved. 6 in. Compact, uniform, broad green foliage is almost smothered with flowers of deep periwinkle blue. Pkt., 25c.

198 Blue Bedder. 4 in. Uniform compact plants bearing clusters of lavender-blue flowers. The color is deeper than that of Blue Ball. Pkt., 25c.

200 Blue Cap Improved. 4 in. Definitely more dwarf than Blue Ball, more compact in habit. Bright, deep, lavender blue. ¼ oz., 50c; pkt., 15c.

214 Fairy Pink. A compact dwarf of delightful soft salmon rose pink. It begins to flower when not more than 1½ to 2 inches high and grows to 5 in., forming a compact mass of blooms. Pkt., 25c.

221 Golden Ageratum. 12 in. Fluffy, golden ball flowers, resemble the so-called perennial ageratum. This is an annual, Lonas Inodora. Pkt., 25c.

220 Lasseauxi. 1 ft. Clear pink, excellent cut-flower. Pkt., 15c.

180 Tall Blue. 18 in. Beautiful soft lavender blue flowers, useful bedding and bouquet plant. Pkt., 15c.

181 Tall White. 18 in. Companion to the above. Pkt., 15c.

217 Little Blue Star. 4 in. Flower opens light blue with purple center and develops to a bright blue self. Pkt., 15c.

187 Purple Perfection. 8 in. (Improved Blue Perfection). Vivid dark purple. Compact plant bearing large flowers, freely produced. Fine for ribbon, and edging. Pkt., 15c.

Acroclinium (Everlasting) □

Culture: A, B, D or E, Page 53

Its graceful, Daisy-like flowers can be dried for winter bouquets. It blooms in 6 weeks. Height, 20 inches.

150 Double Pink. 10c. **155 Double White.** 10c.

166 Sensation Double Giant Mixture. Flowers are double and semi-double; white, chamois, flesh color and bright rose. Pkt., 15c.

Annual Anchusa

Culture: A, B, D or E, Page 53

311 Blue Bird. □ 2 ft. Compact habit and bearing its flowers in a luxuriant bouquet at the top of the plant. Flowers are of an intense blue with a distinct white eye. Blooms all summer. One of the best blue annuals. Try it with Cacalia. You will enjoy the blue of the Anchusa with the yellow and henna shades of the Cacalia. Pkt., 15c.

For others see Perennial Pages.

311 ANCHUSA Blue Bird. Pkt., 15c.

166 ACROCLINIUM Sensation Double Giant Mixture. Pkt., 15c.

Bird of Paradise

1149 Poinciana Gilliesi. The blossoms are of a rich golden yellow, about 2¼ inches in diameter, produced in large trusses, the most striking feature being the long, incurving stamens and pistils of a beautiful bright crimson color. Seed should be soaked in warm water and started indoors or under glass in a light sandy soil. Plants should be carefully hardened by gradual exposure to fresh air before going into the open ground. If the seed is started early it will produce blooms in great profusion the first year. (10 seeds) 15c.

Blue Browallia □

Culture: A or B, Page 53

Profusely blooming bedding plant, covered during summer and autumn with flowers of a rare shade of intense blue, grows freely in any rich soil; blooms well in the winter if lifted and cut back. In the garden they grow with 12 inch stems and make fine cut flowers.

1157 Blue. 1½ ft. Pkt., 10c.

1160 Mixed. 9 in. Blue and white. Pkt., 10c.

1161 Sapphire. 1 ft. Flowers of intense blue, white eye, like large lobelia. Pkt. 25c

1155 Speciosa Major. Brilliant ultramarine blue; a rare color; for border or hanging baskets. Pkt., 25c.

New Garden Snapdragons

Culture: A, B, D or E, Page 53

Rust-Resistant

If you have found Snapdragons difficult to grow, rust is probably responsible. Rust is a widespread disease which discolors the leaves and saps the vitality. Growing the Rust-resistant strain, difficulties disappear. Seeds germinate better, plants are more vigorous, the foliage clean, flowers large and of fine color and the flowering season prolonged.

SUPER-MAJESTIC TYPE — Semi-tall Giant Flowered. 16 to 20 in. Best for Home Gardens.

324 Harmony. Terra cotta and yellow shaded rose.
327 Orange Shades. Deep to light orange.
331 Silver Pink. Lovely deep pink with a white blotch on the lower lip.
328 Red Rocket. Bright red.
326A Rose Sensation. Rose pink.
329 Royal Crimson. Garnet crimson, dark foliage.

Each of Super-Majestic type, pkt., 20c; any 3 pkts., for 50c.

332 All Above Super-Majestic Snapdragons Mixed. Pkt., 20c; 3 pkts., 50c.

MAXIMUM GIANT FLOWERED. Spikes 32 in. tall, and blooms 2 to 2½ in. across.

341 Alaska. White.
342 Appleblossom. Rose pink, white tube.
343 Campfire. Pure luminous scarlet.
344 Canary. Yellow.
343A Copper King. Burnished copper.
341C Crimson. Fiery crimson.
344C Daffodil. Beautiful two-tone yellow.
342A Golden Glory. The deepest yellow.
343B Indian Summer. Coppery orange-scarlet.
346 Loveliness. Pure soft rose-pink.
346A Pink Sensation. Pure pink.
347 Red Cross. Deep rich crimson, white tube.
341A Swing Time. Loveliest rose-pink, a bright yellow lip and white tube.

Each of the above maximum type, pkt., 20c; any 3 pkt., 50c.

348 All Above Maximum Snapdragons Mixed. Pkt., 25c; 3 pkts., 65c.

Bush Balsam □

Culture: A, B, D or E, Page 53

Free-flowering double balsam of bushy growth, flowers appear in clusters on the top of stems like double roses, instead of hidden on side of stems. It is a fine bedding plant. In shades of white, rose and red. 1½ to 2 ft.

1057 Rose. 1055 White Reflected Rose.
1053 Scarlet. 1054 White.
Each of above, pkt., 25c; 3 pkts., 65c.
1051 Mixed. ⅛ oz., 50c; pkt., 25c.

Balsam (Lady Slipper)

An old favorite producing double flowers clustered in the axils of the leaves on short stems. The plants like hot sun, rich soil and plenty of water.

1040 Double Rose and Camellia-flowered Mixed. ¼ oz., 25c; pkt., 10c.

Balsam Apple and Pear 10ft. □ =

Culture: A or B, Page 53

1008 Mixed. Ornamental and quick-growing climber. Excellent in covering unsightly places. Flowers are followed by ornamental fruits. Pkt., 10c.

Balloon Vine (Love in a Puff) □ =

Culture: D or E, Page 53

995 A clean, free-growing vine reaching 10 to 15 feet, bearing delicate clusters of bloom and numbers of large, round, inflated seed-pods resembling miniature balloons. Pkt., 10c.

425 Vaughan's Special Mixture of Snapdragons. (Antirrhinum). Includes all the varieties, providing a never ending color feast of long stemmed cut flowers. ¼ oz., 60c; ⅛ oz., 35c. **Pkt., 20c.**

GIANT RUFFLED "TETRA-SNAPS"

430 Superfine Mixed. A new race of snapdragons created scientifically by treating normal flowers with the drug colchicine, which made a fundamental change in the cell formation, in technical terms changing diploids into tetraploids. This resulted in larger flowers, with thicker petals, attractively ruffled, fuller spikes with more florets open at one time, heavier stems and sturdier plants. Each plant produces several stems, the central spikes averaging 2½ ft., surrounded by lesser ones. Mixture includes a complete range of snapdragon colors in harmonious combinations. Pkt., 25c.

431 Velvet Giant. 2½ ft. tall, each plant produces 6 to 12 spikes. Rich, velvety, deep crimson blooms show an undertone of orange-bronze. A top-notch variety for cutting and garden. Pkt., 25c.

MAJUS GRANDIFLORUM — Large Flowering. 2½ ft.

344A Brilliant Rose. True rose pink.
317 Cherry Rose. See novelties. Pkt., 25c
348A Orange Shades.
349 Padre — See Novelties. Pkt., 20c.
345A Reveille. Luminous golden yellow.
336 Rosalie. A rich deep rose with underlying tone of topaz or amber.
337 Salmon Pink.
338 Shasta. Pure white.
352 Yellow Jacket. A clear deep yellow.

Each of above, except noted otherwise, pkt., 20c; any 3 pkts., 50c.

355 Majus Grandiflorum Mixed. Pkt., 20c

360 Vaughan's Rainbow Mixture of Rust Proof Varieties. Illustrated on our 1947 spring catalogue cover. They range from delicate salmon pink through silvery pink, old gold, old rose and bronze to dark rose and red tones of the richest depth. In beds and borders all these colors will blend harmoniously in a vivid display, and in the cutting garden, they will provide a wealth of material for striking bouquets. Pkt., 25c.

LARGE FLOWERING DWARF. 1½ Ft.

316 Large Flowered Dwarf Bumble Bee. A very novel combination of colors. Crimson with a white tube and a large yellow snout which gives it a very gay and jazzy appearance. Somebody suggested that the flower looked as though it had a Bumble Bee on it and it was so named. Pkt., 25c.

322 Large Flowering Dwarf Mixture. Many colors. Pkt., 20c.

1057 **BUSH BALSAM** Rose. Pkt., 25c.

Typical Florets of Vaughan's Giant Rust-Resistant Snapdragons

Left side,	Right side,
341A Swing Time.	343 Campfire.
344 Canary.	346 Loveliness.
343B Indian Summer.	347 Red Cross.
336 Rosalie.	342A Golden Glory.
338 Shasta.	349 Padre.

Each of above, pkts., 20c; any 3 for 50c.

Miniature Snapdragons

A delightful new strain forming compact tufts 4 to 6 inches high, covered with miniature flowers. Excellent for rockeries, small beds and edgings.

433 Baby Rose. Very free flowering, compact plants covered with flowers of a deep pink self tint. Pkt., 20c.
432 Magic Carpet. Very compact with a good range of colors including pinks, terra cotta shaded apricot and a few purplish shades, with light shades predominating. Excellent for low floral arrangements. Pkt., 25c.

903 **ASTER** Giant Branching — Deep Rose Pkt., **15c.**

569 **ASTER** Giant Crego — White. Pkt., **15c.**

541 **ASTER** Early Giant, Light Blue. Pkt., **25c.**

SPECIAL OFFER No. 18
One Packet Each, 3 Varieties Illustrated for 45c.
541 Aster Early Giant Light Blue. 25c. 569 Aster Giant Crego White. 15c.
903 Aster Giant Branching Deep Rose. 15c.

ASTER Vaughan's Wilt Resistant.

640 Collection 1 pkt., each of 6 separate varieties as listed below 75c.
Giant Crego—(1) 569 White, (2) 564 Lavender, (3) 565 Pink.
Giant Branching—(4) 906 Purple, (5) 905 Azure Blue, (6) 903 Rose.
Each per pkt., 15c and any 3 pkts., for 40c.

Wilt Resistant Asters

Culture: A, B, D or E, Page 53

Protect Asters with Insecticides Containing D.D.T.

To kill leaf hoppers, which transmit the yellows disease, for which there has hitherto been no reliable treatment. Occasional spraying or dusting with this lasting insecticide should protect your asters from infection, which is the chief enemy of these beautiful flowers in sections where the wilt disease is not established in the soil. We recommend Protexall D. D. T. 5% dust, and D. D. T. 50% wettable dust (see index). Wilt resistant varieties are resistant only to wilt, but in general are more vigorous, and less susceptible to other infections.

Giant Branching 2 to 3 ft.

The branching habit is accompanied by vigor of growth and profusion of bloom. The flowers are large, very double, stems long and colors vivid.

905 **Azure Blue,** dark lavender.
903 **Deep Rose.** 904 **Crimson.** 902 **Shell Pink.**
906 **Purple.** 901 **White.** 908 **Sensation** (Scarlet)
Each of above, pkt., 15c; any 3 pkts., 40c.
898 **Mixed.** ⅛ oz., 35c; pkt., 15c.

Giant Crego — Ostrich Feather — 24 inches

The flowers are immense on long stems. The petals are curled and twisted, plants branching. Flowers in abundance from late August until frost.

559 **Azure Blue.** 561 **Crimson.** 565 **Pink.**
560 **Blue Flame,** navy blue. 563 **Deep Rose.** 566 **Purple.**
564 **Lavender.** 568 **Violet.**
560A **Cattleya,** fascinating shade of orchid 569 **White.**
Each of above, Pkt., 15c; any 3 pkts., 40c.
575 **Mixed.** ⅛ oz., 35c; pkt., 15c.

Queen of the Market (Early Flowering) 2 ft.

The favorite early Aster, usually in full bloom two weeks before most others begin to blossom. Of graceful spreading habit.

920 **Azure Blue.** 927 **Ballet Queen.** Salmon rose. 921 **Crimson.**
925 **Light Blue.** 925C **Rose.** 924 **White.** 922 **Flesh Pink.**
923 **Purple,** dark blue. 926 **Scarlet.**
Each of above, Pkt., 15c; 3 pkts. for 40c.
928 **Mixed.** ⅛ oz., 35c; pkt., 15c.

Finest Giant Sorts Mixed

628 **A Mixture of all Giant Varieties.** It became very popular with our customers in our store before we catalogued it. Since we have included it in our list, it has become one of our best sellers. Pkt., 25c.

VAUGHAN'S SPECIAL WILT RESISTANT

915 **Mixed.** A specially prepared mixture containing in balanced proportion all the wilt resistant varieties we offer. An outstanding value for the cutting garden, or mixed bed or border. ⅛ oz., 40c: pkt., 15c.
946 **Pink Shades Mixed.** 947 **Light Blue Shades Mixed.**
948 **Dark Blue Shades Mixed.**
Each of above, pkt., 15c; 3 pkts. for 40c.

Early Beauty 2 to 3 ft.

Branching habit. Flowers large, borne on long stout stems. Bloom at same time with Crego and Giant Branching.

527 **Azure Blue.** 531 **Purple.** 533 **White.**
536 **Carmine Rose.** 532 **September Beauty** flesh pink.
529 **Crimson.**

Each of above, pkt., 15c; 3 pkts. for 40c.

534 **Mixed.** ⅛ oz., 35c; pkt., 15c.

Early Giant 1½ to 2 ft.

The flowers are full petaled with broad, graceful petals, daintily plumed and intertwined, very large, 4 to 5 inches across. There are practically no laterals or side branches. Four to six weeks earlier than the Giants of California.

541 **Light Blue.** A big lacy flower. 542 **Peachblossom.** White flushed pink
543 **Rose Marie.** Rich, lively shade of rose.

Each of above, Pkt., 25c; any 3 pkts. for 65c.

544 **Mixed.** All three colors. ⅛ oz., 50c; pkt., 25c.

Royal Early-Flowering Branching 2 ft.

This type fills a gap between the Queen of the Market and the Late Flowering Branching Asters.

930C **Mixed.** ⅛ oz., 35c; pkt, 15c.

949 **Single Chinese Rainbow Mixed.** Pkt., 25c. See Novelties.

Princess—New Crested 2 to 2½ ft.

Princess asters have a full crested center surrounded by several rows of strong guard petals. Flowers are fine keepers. Early and free bloomers.

625 **Princess Anne.** Delicate pink turning to rose pink as they mature.
624 **Princess Barbara.** Orchid color.
626 **Princess Bonnie.** A beautiful soft salmon rose with center of rich gold.
623 **Princess Golden Sheaf.** The deepest yellow Aster yet offered. The flowers are fully double with an attractive crest-like center of good substance and fine depth of petal.
621 **Princess Linda.** Clear Rose.
627 **Princess Marsha.** A rich cinnabar scarlet.
632 **Princess Mixed.** See Novelties. Pkt., 25c.

Each of above, pkt., 25c; any three pkts. for 65c.

623 ASTER Golden Sheaf. Pkt., 25c.

Heart of France

929 Opens red as the purest ruby, deepens with age and retains its remarkable color to the very end. The petals show now a glow and sheen, now a soft warm velvety texture. 18 to 24 inches. ⅛ oz., 45c; pkt., 15c.

646 ASTER Victory Giants. Light Pink. 25c.
651 Victory Giants. White. 25c.

4574 Annuals Rock Garden Vaughan's Special Mixture. A carefully prepared mixture of low growing, many colored, free flowering annuals, which will supply color in your rock garden all summer. ¼ oz., 50c; pkt., 25c.

943 ASTER Super Giant, El Monte. Pkt., 20c.

Super-Giants, Non-Resistant

Super-Giants, Largest of All

Largest and most fully double Asters, with flowers from 6 to 8 inches across, plants 2½ ft. tall, with six to eight long stems. Early flowering.

943 **El Monte.** Like Los Angeles in size, and form, but of a deep glowing crimson. Blooms early and remains in flower for a long season, ⅛ oz., 50c; pkt., 20c
942 **Los Angeles.** Pure shell pink, with huge flowers, but of charming form, with curling, interlaced petals, giving a feathery effect. ⅛ oz., 50c; pkt., 20c

California Giants 3 ft.

California Giants combine the fluffy or feathered type of flower with the long straight stems of the Beauty class. The large, double flowers with long, attractively curled petals, grow 5 in. and more in diameter, on stems 1½ to 2 ft. long

607 **Loveliness.** Rich pink touched with salmon. Pkt., 25c.
610 **Mixed.** ⅛ oz. 40c.; pkt., 15c.

887 **California Giant Sunshine, Finest Mixed.** ⅛ oz., 50c; pkt., 25c. See Novelty pages for illustration.

Victory Giants 3 ft.

These enormous flowers have shaggy reflexed petals and are borne on long clean stems. A large and early flowering variety.

646 **Light Pink.** 649 **True Lavender.**
647 **Rose.** 650 **Vermillion.**
648 **Salmon.** 651 **White.**
652 **Mixed.**

Each of the above pkt., 25c; 3 pkts., for 65c.

937A **Giant Mammoth Peony-Flowered Silvery Rose 2½ to 3 ft.** Immense, fully double flowers resembling the Beauty type, borne on long, stout, non-lateral stems. An attractive variety with its rich rose-silver tipped flowers. Pkt., 25c.

New Early Asters

660 **Early Bird.** 15 in. Attractive flowers of carmine-rose appear early and continue for several weeks. As flowers age, the outer petals are tipped lighter rose. Blooms fully double, 3½ in. across. Pkt., 25c.

661 **Early Violet Glory.** 18 in. Deep violet flowers, 3 to 3½ in. have center incurving petals displaying a silvery sheen. Plants are of open, spreading habit not very leafy, seeming to give all their strength to the flowers, which are freely borne on 12 to 15 in. stems. Its chief merit is extreme earliness. Last long when cut. Pkt., 15c.

Vaughan's Excelsior Mixture of Tall Asters, All Types

990 A mixture of the most beautiful tall-growing Asters, Wilt Resistant and Non-Resistant, including the varieties listed and others ⅛ oz., 50c; large pkt., 25c; pkt., 15c.

588 ASTER Imbricated Pompon Rose. 25c.

Imbricated Pompon 1 ft.

Flowers very freely produced, often as many as 20 on a dwarf, bushy plant. Blooms very early. The small round pompon blossoms have an outside row of short guard petals.

586 **Crimson.** 588 **Rose.**
587 **Light Blue.** 589 **Scarlet.**
592 **Mixed.** 590 **White.**

Each of the above pkt., 25c; 3 pkts. for 65c

Sweet Alyssum, Ideal Edging Plant ☐

Culture: A, B, D or E, Page 53

255 Ribbon Planting of **Vaughan's ALYSSUM Little Gem.** Pkt., **10c.**

255 Vaughan's Little Gem (White Carpet). 4 in. The plants are so completely covered with a froth of tiny snow-white blossoms they create the impression of a beautiful white carpet. Sweet Alyssum puts a lace frill to any garden and enhances the colors of every flower. 1 oz., $1.40; ½ oz., 75c; ¼ oz., 40c; pkt., 10c.

250 Maritimum (Sweet Alyssum). 10 in. Flowers white and honey-scented, produced from early in the season, until freezing. Mix the seed with sand to prevent sowing too thickly. 1 oz., 60c; ½ oz., 35c; pkt., 10c.

259 Violet Queen. A beautiful, fragrant sweet Alyssum, of bright clear violet hue, holding its colors through the hottest, driest summer. Can be sheared like white Alyssum and grows luxuriantly, covered with bloom from early summer to freezing. It flowers in 45 days from seed in the open. ⅛ oz., 35c; ¼ oz., 60c; ½ oz., $1.10; 1 oz., $2.00; pkt., 15c.

261 Lutescens. 8 in. Dwarf, cream or straw color. Pkt., 10c.

See also Perennial Pages.

259 **ALYSSUM** Violet Queen. Pkt., **15c.**

1131 **BELLIS.** Monstrosa Double Mixed. **15c.**

English Daisy ① ☐

BELLIS PERENNIS (6 to 8 inches)

Culture: C, Page 53

Double Giant Daisies of robust habit. Remarkably fine effects are obtained when associated with Pansies or Forget-Me-Nots in beds or borders.

1131 Monstrosa Mixed. Pkt., 15c.

1146 **BRACHYCOME** Mixed. Pkt., **10c.**

Brachycome (Swan River Daisy) ☐

Culture: A, B, D or E, Page 53

A free-flowering, dwarf-growing annual, 12 inches tall, covered during the greater part of the summer with a profusion of dainty flowers which resemble small Cinerarias, suitable for edgings, small beds or pot culture.

1146 Mixed. All colors. ⅛ oz., 25c; pkt., 10c.

Cheiranthus ☐

Culture: A or C, Page 53

A hardy perennial which blossoms the first year from seed. Sow in late summer, autumn or spring.

1607 Allioni (Siberian Wallflower). 1 ft. Dazzling fiery orange flowers, on stems about a foot high. Blooms from seed the first year. Pkt., 10c.

1305 ANNUAL CANTERBURY BELLS, Mixed. Annual varieties of this splendid flower family bloom in about six months from seed, growing to 2½ ft., and bearing six to eight spikes of bloom. A splendid late summer border flower. Pkt., 10c.

451 **ARCTOTIS,** New Hybrids. Pkt., **25c.**

Arctotis (African-Daisy) ☐

Culture: A, B, D or E, Page 53

For Dry Sandy Soils

449 Breviscapa Aurantiaca. 6 in. Deep shade of orange yellow with purple disk. A deep and most attractive shade. Pkt., 25c.

450 Grandis (Blue-Eyed African-Daisy). 3 ft. It forms bushes bearing 2 inch daisy flowers of pearly white with a gold band surrounding a delicate mauve center. It closes at evening and displays its lilac tinted undersides. Foliage gray green. Especially good cut flower. Pkt., 10c.

451 New Hybrids. 8-12 inches. A new race resembling the famous Gerberas, but much easier to grow in the garden. Flower 2½ to 3 inches; likes a dry, sunny location. Excellent as a border plant and fine for cutting. Pkt., 25c.

1138 **BELL OF IRELAND.** Pkt., **25c.**

Irish Green Bellflower ☐

Culture: A B, D, or E, Page 53

1138 Bell of Ireland. Graceful 2-foot branching stems are so surrounded by 2-inch flowers there is little room for leaves. The bell shaped calyx of the flower is green and delicately veined, containing the white corolla. Both curious and beautiful. Pkt. 25c.

Grow Cacti from Seed

Culture: C, D or E, Page 53

Growing Cacti from seed is easy and interesting, each miniature plant being perfect. The seeds germinate irregularly over a period of 14 to 40 days.

1251 Cacti. All kinds and forms mixed. **Pkt. (50 seeds), 25c; 5 pkts. for $1.00.**

1087 **BEGONIA** Masterpiece. Pkt., **50c.**

Begonias

Fibrous-Rooted Ever-Blooming

Culture: B, C, D or E, Page 53

A continuous flowering class of greatest value for bedding; the flowers are of brilliant colors and borne in great profusion from summer to autumn. Seedlings of spring bloom in summer, while seedlings of summer make decorative winter house plants.

Begonia seed is very fine. Open packets carefully over a sheet of white paper.

1071 Christmas Cheer Red. The blooms attain a diameter of 2 inches. Dark crimson-scarlet. Pkt., 35c.

1072 Christmas Pink. Identical with above variety except the color is warm rose-pink. Pkt., 35c.

1096 Glowing Fire. The flowers are large intense scarlet red in color and cover the dwarf uniform plants. Pkt., 50c.

1075 Gracilis Adeline. (Improved Darling). Very dwarfest habit; bright pink flowers and green foliage, very attractive. Pkt., 35c.

1079 —Dwarf Luminosa. Extra dwarf scarlet. Pkt., 50c.

1082 —Indian Maid. 10 in. Bright deep scarlet buds and flowers, lustrous bronze foliage. Pkt. 25c.

1084 —Ile de France. The flowers are 1¼ inches to 1½ inches, pure white, with bright yellow stamens. Foliage light green. Pkt., 35c.

1085 —King of the Reds. Dwarf glowing scarlet, foliage green edged bronze. Pkt., 35c.

1087 —Masterpiece. Large clear rose-pink flowers. Fairly cover the foliage. Pkt., 50c.

1090 Semperflorens Special Mixed. Finely balanced blend of full color range. Pkt., 25c.

The following varieties are strong, vigorous, branching early if pinched back.

1092 Vaughan's Rose Bud. Large rose colored flowers, green foliage. Pkt., 35c.

1093 Vaughan's Snow Fairy. Pure satin white flowers, yellow stamens, green foliage. Pkt., 35c.

1094 Vaughan's Sweet Heart. Rich dark crimson flowers, foliage dark green. Pkt., 35c.

Tuberous Rooted

Culture: D or E Page 53

For brilliancy of color, duration and profusion of bloom, few plants can compare with the tuberous-rooted Begonias for greenhouses and for summer bedding. A little difficult to raise without a greenhouse.

1103 Double Mixed. Producing on strong, erect stems an abundance of very double flowers, ranging from brilliant rose to carmine, often with white margin or mottling. Pkt., 50c.

1099 Single Mixed. Saved from finest exhibition varieties having large, well-formed flowers of many tones of red, orange, pink, salmon, etc. Pkt., 35c.

1100 Double Tuberous Rooted Vaughan's Special Mixture. Form and color weave a magic spell in this cream of a specialist collection containing the lovely camellia and rose flowered forms together with the double fringed types in charming colors from dainty light shades to the richer and darker tones. Flowers 5 to 8 in. across. Seed sown in January or February make good sized plants by August. Leaflet on culture supplied with seed. Pkt., $1.00.

For Bulbs of Begonia Tuberous rooted see index on final pages.

New Giant Calendulas □

1206 CALENDULA Vaughan's Special Mixture. Besides listed varieties, this mixture includes many others, giving a delightful collection for cut flower use or exhibition. ¼ oz., 50c; pkt. **15c**

1207 Trial Ground Mixture. Saved from the trial grounds of one of our growers. The color balance leans toward pastel and the form is somewhat that of the popular Chrysantha, with blooms the size of the largest varieties. This blend has proved to be heat resistant and blooms over a longer season than the ordinary varieties. Pkt., 25c

November 4, 1947

The Calendula Trial Ground Mixture which I received has proven very satisfactory. The plants were very free blooming, and flowers were large and a lovely soft yellow, not the harsh yellow of most Calendulas.

Mrs. C.E.P., Canton, Ohio

1200 **CALENDULA** Campfire (Sensation). Pkt., **15c.**

Culture: A, B, D or E, Page 53

Calendula is one of the best annuals for the garden or greenhouse. Vast improvements in size, shape and color have been made of late years. Keep the flowers cut for continuous blooming. During warm weather the flowers may single out but will return to full doubles when the weather turns cool. Make a late sowing in early July for flowers in cool weather; they stand heavy frosts, and are last to die.

1208 Pacific Giant Apricot. A new strain uniformly larger with longer and straighter stems and more resistance to summer heat. The attractive two-toned effect is more clearly pronounced than in the older type. Pkt., 25c.

1194 Ball Gold. Extra long stemmed, large deep golden yellow. Pkt., 15c.

1194A Ball Lemon Queen. Deep lemon yellow with attractive brown eye. Pkt., 15c

1191 Ball Orange. It has fine stems and immense double flowers of a brilliant glistening orange. Pkt. 15c.

1200 Campfire (Sensation). Flowers grow 4 inches wide, completely double, are of a deep orange. It grows vigorously with exceptionally strong, heavy stems. Especially selected stock. ⅛ oz., 50c; pkt., 15c.

1192 Masterpiece. Extra long-stemmed deep orange with brown center. Pkt., 15c.

1170 **CACALIA** (Tassel Flower) Pkt., **10c.**

1197 Moonlight. A beautiful soft cream yellow, with petals of the Chrysanthemum type, nearest approach to white of all Calendulas. The soft pale yellow harmonizes with anything, especially with the blue of the Centaurea. Pkt., 15c.

1197A Orange Beauty. 2 ft. Blooms are 3½ in. and more across of curved loose petal formation on long stems. The color is bright, deep orange slightly suffused with yellow at the base of the florets. Pkt., 25c.

1190 Orange King. 18 in. Outer petals are slightly imbricated, while the centers are incurved. A glowing orange. Pkt., 10c.

1203 Orange Shaggy. 18 in. Long fringed petals overlapping form a flower resembling some Chrysanthemums. Deep orange turning lighter at the center gives a two-tone effect. Long stems. Pkt., 10c.

1200B Yellow Colossal. 18 in. Most profuse blooming of all, bearing 4½-inch fully double flowers of a clear, bright yellow. Pkt., 10c.

1202 Pastel Bedding Mixture. A balanced selection of dwarf varieties, in light apricot, salmon, orange, lemon and cream. Pkt., 10c.

Cacalia (Tassel Flower) □ 2 ft.

Culture: A only, Page 53

This "perky" little annual blooms in a few weeks from seed. The flowers of scarlet or gold on branching stems look exactly as the name indicates, fluffy tassels, less than half an inch in diameter. Blooms until heavy frost. Try these in a copper bowl with the Castor Bean (Ricinus) seed pods and leaves for a lovely effect.

1170 Mixed. Scarlet and yellow. Pkt., 10c.

Canna ÷ 2½ to 4 ft.

Cannas can be successfully grown from seed if planted early. Pour boiling water over the seeds, take them out after 24 hours and sow at once in sand. Give some bottom heat and cover ¼ to ½ inch. The seed germinates irregularly in two to four weeks.

1311 New Varieties, Mixed. Seeds from the collection of a French specialist who has given much attention to this plant. Pkt., 25c.

Cypress Vine □ = 10 ft.

Culture: A B, D, or E, Page 53

A graceful, twining annual climber with fernlike foliage and star shaped blossoms. Sow in May, first soaking seeds in warm water.

2039 Scarlet. Pkt., 10c.

2040 Mixed. Scarlet and white. Pkt., 10c.

1245 **CALLIOPSIS** Vaughan's Special Mixture. Pkt. **10c.**

Gay Calliopsis Clan ☐

Culture: A, Page 53

The annual Coreopsis, its flowers are similar in form, but many are marked with bands or centers of contrasting tones. Colors include variations of yellow and orange including brown, maroon and almost crimson.

1235 **Dwarf Varieties, Mixed.** Valuable for small mixed beds and borders. Pkt., 10c.

1221 **Tall All-Double Mixed.** 3 ft. The best strain of double flowering Calliopsis. Flowers are semi-double and double, 1 to 1½ inches across. Our mixture contains all colors. Pkt., 15c.

1245 **CALLIOPSIS** Vaughan's Special Mixture. It contains all the desirable types and colors of these beautiful flowers. A great number of kinds have been especially selected for it. ¼ oz., 30c; pkt..... **10c**

Candytuft (Iberis) ☐

Culture: A, B, D or E, Page 53

Successive plantings give flowers all summer. May be sown late in Fall in Tulip beds.

1260 **Giant Hyacinth-Flowered White.** 1 ft. Large, bold spikes of snowy white flowers habit sturdy and compact. ¼ oz., 40c; pkt., 10c.

1287 **Umbellata Mixed.** 1 ft. Flowers in umbrella form. Pkt., 10c; ¼ oz., 30c.

1290 **Dwarf Hybrids Mixed.** 6in. Compact plants covered with large flowers, rose, salmon, coral-pink to lilac and purple-crimson. ¼ oz., 25c; pkt., 10c.

1289 **Little Prince.** 6 in. Immense spikes of snow-white flowers, borne in great profusion on dwarf sturdy plants. Pkt., 10c.

1287 **CANDYTUFT** Umbellata Mixed. **10c.**

Canary Bird Vine ☐ =

1250 A dainty vine 15 to 20 feet, with beautiful cut leaves and delicate flowers of a clear canary-yellow. From fancied resemblance to a bird the plant obtained its name. Does well in shade. Pkt., 25c

Cardinal Climber ☐ = 25 ft.

Culture: A or B, D or E, Page 53

1320 This is a very attractive, strong and rapid grower, attaining a height of 25 feet, with beautiful fern-like laciniated foliage and literally covered with a blaze of fiery cardinal-red flowers from mid-summer to frost. The flowers are about 1 inch in diameter and are borne in clusters five to seven blooms each. Like all Ipomoeas it delights in a warm, sunny situation and good, rich soil. The seed should be soaked in water a few hours before sowing and not planted outside until about May 1st. The vines are a favorite playground of dainty humming birds. Pkt., 10c; 3 pkts., for 25c.

Quaint Collinsias

Like a Pagoda.

☐ 18 in.

Culture: A or B, Page 53

1870 **Collinsia Bicolor Violet and White.** Also known as "Chinese Houses" because the tiers of whorled deeply-lipped flowers suggest Chinese pagodas. Grows in common soil, blooms freely from June to October. Good cut flower material, also fine for bedding and edging. Pkt., 10c.

1870 **COLLINSIA** Mixed. Pkt., **10c.**

1390 **CARNATION** Vaughan's Special Mixture (100 Seeds), **25c.**

Garden Carnations ☐

Culture: A or B, D or E, Page 53

Who doesn't love the spicy odor of the Carnation? Its beautiful blossoms may be grown from seed if sown inside and transplanted outside by the end of May. Plants lifted in fall, cut back will bloom again indoors.

1390 **CARNATION** Vaughan's Special Mixture. This is a mixture of the best strains. The plants will bloom the first summer and will produce many flowers equal to the best florist's Carnation. Pkt. (100 seeds),..... **25c**

Giant Enfant de Nice Carnations. They are of compact growth with extremely stiff stems bearing flowers 2¼ to 2¾ inches without disbudding. The colors come about 75% true from seeds and give about 90% of plants with double flowers.

1325 **White.** 1327 **Rose.**
1326 **Salmon.** 1328 **Red.**
1329 **Mixed** from varieties noted above.

Each of above, pkt. (100 seeds), 35c.

Improved Early Flowering Perpetual. Plants bloom in five months and continue all summer. The flowers are very double, clove scented of large size, on stiff stems 15 to 18 inches high. Our strain will produce 90% double flowers and true color.

1336 **White.** 1340 **Scarlet.**
1337 **Yellow.** 1341 **Maroon.**
1338 **Rose Pink.** 1342 **Salmon Rose.**
1339 **Flesh Pink.** 1343 **Mixed all colors.**

Each of the above, pkt., 25c; any 3 pkts. for 65c.

1345 **Early and Perpetual Flowering Super Giant Mixed.** The largest flowered clove scented strain for garden use. Produces excellent cut flowers under cold frame forcing. Pkt., 25c.

1350 **Giant Margaret Mixed.** Flowers measuring 3 in. or more; colors include white, pink, crimson and striped. Upright growth. Pkt. 15c

See Novelties and Perennials.

Golden Sweet Pea

Culture: A, B or E, Page 53

1929 **Crotalaria Retusa.** The "Golden Sweet Pea." A valuable, decorative annual with flowers much like Sweet Peas but entirely different in habit of growth. The plants are sturdy, erect, about 2 feet tall, with spire-like spikes, closely furnished with glossy, bright golden yellow blooms. It will flourish in hot, dry places where ordinary Sweet Peas will not thrive. Pkt., 25c.

Popular Bachelor Buttons

1570 **CENTAUREA** Imperialis Mixed. (Sweet Sultan). Pkt., **10c.**

Giant Sweet Sultans

Imperialis 2½ ft.

Culture: A, B, D or E, Page 53

Finest of all Sweet Sultans for cut flower purposes. The beautiful, artistic shaped flowers are borne on long, strong stems; when cut and put in water will last for several days in good condition. They have a soft fragrance and add beauty to the garden picture.

1570 Imperialis, Mixed. ¼ oz., 25c; pkt., 10c.

1580 Suaveolens. 2 ft. (Yellow Sweet Sultan or Grecian Cornflower). Very showy, large, bright yellow flowers sweetly scented and a popular sort for cutting; lasting well. Pkt., 10c.

Celosia (Cockscomb) □

Culture: A, B, D or E, Page 53

THE name Cockscomb is derived from the resemblance of the flower heads of the crested type to a cocks comb in form, though in texture they are like plush or chenille. The crested type thrive in light soil. Easily dried for winter use.

Crested Dwarf Sorts 8 to 10 in.

1410 President Thiers. Fine dwarf habit with bronzy foliage and large, velvety crimson combs.

1415 Empress. Blood-red combs and brown foliage.

1420 Aurea. Golden yellow combs.

1421 Rose. **1430 Dwarf Mixed.**

Each of above, pkt., 15c.

Crested Tall Sorts 18 to 24 in.

1436 Gilbert's Maple Gold. 3 ft. The heads are almost globular, and the dominant color is a golden maple, varying toward rose or pink. The plants bear eight to twelve heads, increased if the center stem is pinched back. Do not feed. Pkt., 25c.

1437 Gilbert's Rose Beauty. The color is a uniform bright rose pink on a silver base and should run 90% or better true to type. Makes an excellent cut-flower. Drys perfectly for winter bouquets. Pkt., 25c.

1438 Giant Crimson Glory. 12 to 18 inches. Oval-shaped flower heads, resembling deep pile crimson, are borne on strong, non-branching stem. This is the largest Celosia flower, and especially effective for massing in beds or planting in borders. Seeds should be started indoors. Pkt., 25c.

1439 Gilbert's Harlequin. Uniform bush type, pinkish gold turning to a salmon, then to a bright shell-pink. Excellent as a cut-flower at any stage perfect plant for bedding purposes. Pkt., 25c.

1472 Royal Velvet. 2 ft. Produces center and numerous long-stemmed plumy heads of richest crimson, on basal branches. Foliage bronzy green with reddish margins. Pkt. 25c.

1432 Crimson. Pkt., 15c.

1435 Tall Mixed. Pkt., 10c.

1434 Gilbert's Maple Gold and Rose Beauty Mixed. A pleasing blend of two famous Gilbert varieties. Pkt., 25c

Culture: A, B, D or E, Page 53

Centaurea Cyanus Super Double □

A perfected strain of this popular hardy annual, which every one can grow in any garden soil. They have larger flowers, more double, with more vivid coloring and long, wiry stems, making fine cut flowers. If the faded flowers are kept cut, the plants will blossom continuously throughout the summer.

1505 Black Boy. Blackish maroon.

1506 Blue Boy. The true cornflower blue

1507 Pinkie. Lovely true pink.

1508 Red Boy. Deep glowing red

1509 Snowman. Pure white.

Each of above, ¼ oz., 30c; pkt., 15c; any 2 pkts. for 25c.

1522 Vaughan's Special Super Double Mixed. ¼ oz., 25c; ½ oz., 40c; pkt., 15c.

White Leaved (Dusty Millers)

Culture: A, B, D or E, Page 53

All gardens need a few plants with gray foliage to tone down the brilliant colors. Sow early.

1595 Candidissima. 10 in. Thick silvery white leaves. Should be sown early. Pkt., 15c.

1600 Gymnocarpa. 1½ to 2 ft. Foliage finely cut of silvery gray color. Pkt., 10c.

1731 CINERARIA Maritima Diamond. 1½ ft. Leaves pure white. Pkt., 10c.

1436 **CELOSIA** Gilbert's Maple Gold. Pkt., **25c.**

CELOSIAS—Continued

Ostrich Plume Sorts

They generally form pyramidal bushes, and the numerous massive plumes which resemble ostrich feathers wave gracefully above the foliage. 2 to 3 ft.

1450 Mixed. Pkt., 10c.

1475 Dwarf Ostrich Plume Varieties Mixed. 15 in. Good for pots and beds. Pkt., 25c.

1460 Pride of Castle Gould. Compact pyramidal plants produce immense flower heads, resembling willow plumes in many shades. Pkt., 25c.

Other Celosias

1465 Chinese Woolflower, Crimson. Grows 2 to 3 feet high with many branches terminating in a flower head resembling a ball of scarlet wool.

1466 Chinese Woolflower Deep Rose.

1467 Chinese Woolflower Yellow.

1468 Chinese Woolflower Mixed.

Each of above Chinese Woolflower, per pkt., 15c.

1522 **CENTAUREA** Cyanus Vaughan's Special Super Double Mixed. Pkt., **15c.**

Various Centaureas

1504 Centaurea Cyanus Jubilee Gem. A dwarf variety, making a compact plant covered with double dark blue flowers. Foliage forms a tufted mass of bright green. 12 in. Pkt., 15c.

1503 Centaurea Cyanus Polar Bear. See novelties. Pkt., 25c

1500 Jubilee Mixed. See Novelties. Pkt., 25c.

Double Clarkia □ 2 ft

Culture: A, B, D or E, Page 53

The lovely Clarkias are effective in the garden or as cut flowers in the home. Great spikes of double and semi-double flowers in the daintiest colors are produced from the poorest soil. Plant in shade. If the roots are confined by growing in small pots, they will bloom earlier.

1735 Albatross. Pure white of upright growth

1750 La France. A wonderful salmon pink

Each of above, pkt., 10c.

1790 Vaughan's Special Mixture. Made up especially from named varieties ⅛ oz., 25c; pkt., 10c

1790 **CLARKIA** Vaughan's Special Mixture. Pkt., **10c.**

1696 **CHRYSANTHEMUM** Vaughan's Rainbow Mixed. Pkt., **25c.**

Chrysanthemums

Annual Single Flowering 20 in.

Culture: A , D or E Page 53

Of the easiest culture; flower profusely during the summer and fall. They are showy in the garden and fine for cutting. They have a colored zone or halo around a dark eye with the main part of the flower a contrasting shade. Prefer heavy soil. All types should be pinched back to encourage branching.

1696 Vaughan's Rainbow Mixture. This wonderful new strain of Carinatum Hybrids includes purple, scarlet, orange, salmon rose, yellow, white, all beautifully zoned Pkt., 25c.

1655 Vaughan's Special Single Mixed. Showy flowers of bright colors. Pkt., 10c.

Double Flowering Varieties 2 ft.

1695 Vaughan's Special Mixture of Double Chrysanthemums. Pkt., 10c.

1700 Vaughan's Special Mixture. Single and Double Sorts in Finest Mixture. Including many varieties not catalogued Pkt., 10c.

Korean Mums From Seed

Culture A, B, D or E, Page 53

1621 Chrysanthemum Korean Hybrids. ① These large, single flowers of many lovely colors can be flowered from seed the first year. The hardy Korean species is crossed with garden varieties. Pkt., 50c.

Cobaea (Cathedral Bells)

Culture A, B, D or E, Page 53

1820 Scandens. One of the handsomest rapid growing climbers. The bell-shaped flowers turn lilac. Seed should be sown edgewise. Very vigorous and prolific bloomer. Pkt., 10c.

Coix ☐ 2 to 4 ft

Culture: A or B, Page 53

1850 Lachrymae (Job's Tears). This tender perennial is easy to grow and will mature its beautiful "beads," even in the North, if planted in the open ground in late May and given the same treatment as corn.

The seeds, when gathered and dried, are a silver-gray. Often used as a necklace for teething babies. Owing to shortage of metal during the war years, these seeds have also been used in making rosaries. Oz., 50c; pkt., 10c.

Daisy Corner for Your Garden

2050 Vaughan's Mixture of Annual Daisies. These simple flowers have a charm of their own. We have a mixture of the most popular sorts. They will add a definite touch to your garden besides good cutting material for the home. Pkt., 25c.

Erysimum ☐

Culture: A or B, D or E, Page 53

2361 Perofskianum (Fairy Wallflower). 12 to 18 inches. A particularly attractive annual for growing in masses in beds or in borders. Bears bright orange fragrant flowers in profusion during the summer. One of the showiest and easiest grown of all hardy annuals. Will thrive in fairly good soil. Pkt., 10c.

A second sowing of Calendula, made in July, will insure cutflower material well into Fall. They withstand the early frosts.

Cynoglossum ☐ 18 to 24 in.

Culture: A, B, D or E, Page 53

2015 Amabile, Blue Bird Chinese Forget-Me-Not. Produces long sprays of brilliant blue Forget-Me-Not like flowers. Grows easily and blooms for a long season. A most delightful addition to our list of blue flowers. ⅛ oz., 25c; pkt., 10c.

2017 Amabile Pink. Bright Pink. Pkt., 15c.

2020 Firmament. It is dwarf, free-blooming over a long season; flowers a bright indigo blue. It is to be recommended for growing in dry, even poor soil 1½ ft. Pkt., 15c.

Cuphea, Firecracker Plant ☐

Culture: A or B, Page 53

1998A Avalon Hybrids. Compact plants seeming to be covered with fluttering, bright-hued butterflies. In lavender, lilac, pure pink, rose-purple, crimson, fire-scarlet and vermilion, Pkt., 25c.

1999 Firefly. 10 inches. A colorful border or edging plant, dwarf, compact, neat in habit, and showy. Small, delicate butterfly-like flowers of fiery red are freely produced. Flowers in 12 to 14 weeks from seed and blooms continuously Pkt., 25c.

Coleus ☐ 2 ft.

Culture: D or E, Page 53

Very handsome and decorative plants with foliage of brilliant varied colors, many having fantastic markings. Plant in full sun for complete development of color. Pinch out the growing points to make well branched plants. Also good house plants.

1855 Vaughan's Rainbow Mixture. The handsomest foliage plant obtained from seed. The leaves are very large and their color combinations are remarkably rich. Pkt., 35c.

1864 Glory. A mixture of bronze, pink, apricot, cream, etc. A remarkably fine strain; unequaled for the beautiful form and coloring of its large leaves Pkt. 50c

1857 Large Leaved Mixed. Pkt., 35c.

Cosmos from July to Frost ☐

Culture: A, B, D or E, Page 53

Plants of graceful beauty, fine feathery foliage and large flowers. While the early varieties begin blooming in July, the Cosmos reaches the height of its beauty in the autumn. The new giant early varieties are wonderful cut flowers, holding in good condition for 10 days after cutting. We list only the early flowering varieties, as the late varieties are so apt to be taken by early frosts. Try the effect of Cosmos Sensation Pink with White Nicotiana Affinis in a low bowl for a lovely fairy-like combination.

Sensation, New Giant Early Strain

Early flowering, blooming in about 12 weeks from sowing. The flowers are very large, 4 to 5 inches across, with heavy fluted petals. Height about 4 feet. By disbudding, enormous flowers can be obtained.

1964 **Dazzler.** Very rich, deep crimson.

1968 **Pink.** A delightful rose-pink selection.

1967 **Purity.** A white with satin sheen.

1969 **Cosmos Radiance, Silver Medal.** All America Trials, 1948. A striking new flower with colors never before seen in Cosmos. Deep rose with rich crimson zone.

1966 **Sensation Special Mixed.**

Each of the above, pkt., 25c; 3 pkts. for 65c.

1950 **Early Flowering Mammoth Mixed.** 3 ft. All colors. ¼ oz., 20c; pkt., 10c.

Double Early Flowering 3 ft.

Forms a perfect bush, massed with bloom, bearing beautiful flowers of good size, on long stems, about 65 per cent coming double.

1990 **Pink.** 1991 **White.** 1992 **Crimson.**

Each of the above, pkt., 25c; 3 pkts. for 65c.

1994 **Double Mixed.** Above 3 colors. ⅛ oz., 40c; pkt., 25c.

1982 **Orange Ruffles, Semi-Double.** Vivid golden orange, the two or three extra rows of petals lend an airy butterfly-like beauty to the richly colored blossoms. Extremely free blooming, flower 10 days to 2 weeks before Orange Flare and remain in flower six weeks. Pkt., 25c.

1966 **COSMOS** Sensation Special Mixed. Pkt., **25c.**

1990 **COSMOS** Double Early Flowering Pink. Pkt., **25c.**

1982 **COSMOS** Orange Ruffles, Semi Double Pkt., **25c.**

1979 **Orange Flare.** Well-branched plants, 3 ft. tall covered with showy golden orange, flowers in about 3 months from seed, and blooms with increasing freedom until killing frost. Sow outdoors when soil is warm, or indoors with bottom heat of 70 degrees. Give full sun. Does not need staking. Pkt., 15c

1980 **Yellow Flare.** Bright clear yellow. The single flowers are about 2½ in. across, produced in great masses on 3 ft. plants. Delightful when used in flower arrangements. Pkt., 25c.

Dolichos ☐ = 10 ft.

Culture: A, B, D or E, Page 53

If you have a wire fence which you want covered, we know of no plant more decorative than this. The flowers stand upright like Hyacinth flowers and are followed by attractive seed pods.

2340 **Mixed.** Pkt., 10c.

Echium ☐ 12 to 18 in.

Culture: A or B, Page 53

2358 **Blue Bedder.** Deep bright blue bell flowers in compact bushy plant. Good bee plant. They thrive in poor soil. Will give masses of flowers for months. Pkt., 25c.

2310 **DIDISCUS.** Lavender Lace Flower. Pkt., **10c.**

African Daisy

DIMORPHOTHECA ☐

Culture: A, B, D or E, Page 53

Showy annuals from South Africa, about 1 ft. tall with gorgeous, Daisy-like blooms during summer and fall. Easy culture in well-drained soil, sunny exposure.

2318 **Glistening White.** 6 to 8 in. The petals of the daisy-like flowers 4 inches in diameter, glisten like white enamel. They are borne freely on low, spreading plants, like hot sun and dry weather, and flower long after frost. Pkt., 25c.

2320 **Gold Daisy.** 1 ft. A rich orange gold, which is rendered more conspicuous by dark center disc. Pkt., 25c.

2325 **Hybrids.** They vary in color from pure white to red and blush including sulphur, lemon and bright golden yellow, light orange, reddish yellow and pale salmon-rose. Pkt., 10c.

Didiscus ☐ 3 ft.

Culture: A, B, D or E, Page 53

2310 **Coeruleus (Lavender Lace Flower).** Charming blue annual, with dainty lavender and blue flowers which resemble Queen Anne's Lace of our roadsides. Excellent cut flower. ⅛ oz., 25c. Pkt., 10c.

Grow Dahlias from Seed ☐

Culture: D or E, A or B, Page 53

2086 DAHLIA Unwin's Dwarf Hybrids. Pkt., 25c.

Flowers in 60 Days

2086 UNWIN'S DWARF HYBRIDS. This remarkable strain produces branching plants 2 to 3 feet tall bearing semi-double flowers 3 inches in diameter, of lovely soft pink, lavender, crimson, apricot, buff, orange, canary, cream and white, yellow. They are as easily grown from seed as zinnias, and blossom in sixty days from seed sown in the garden row. Sow after the ground warms up and danger of frost is over, and give each plant at least one foot in the row. They give a striking effect in the border and are unsurpassed as cut flowers. They flower until frost kills the plants and produce tubers which can be saved. Pinched back, they make fine pot plants. ¼ oz., $1.00; ⅛ oz., 60c; pkt. . . **25c**

It is easy, most interesting and fascinating to grow Dahlias from seed. If the seed is started early, plants will bloom the same season. Sow in a shallow box or pan in March or early April, and keep the soil moderately moist. When all danger from frost is over, plant in the garden.

2087 Unwin's Ideal Bedding Mixed. The flower petals are nearly all twisted. Double and semi-double in many charming colors, excellent for cutting. Pkt., 25c.

Single Flowering

2056 Coltness Hybrids. 18 in. Habit neat and compact, blooms from July until frost. The flowers have either flat or slightly fluted petals, nearly all 3 in. in diameter. Pkt., 25c.

2065 Giant Perfection Mixed. 4 ft. The plants are of strong, robust habit, and produce in great abundance flowers of immense size, of the most bewildering variety of color. Pkt., 10c

Double Dahlias

2080 Double Best Mixed. 3 ft. Saved from show and fancy sorts. Pkt., 25c.

2089 Double Lilliput Pompon Mixed. Small, round double flowers, in a mixture of beautiful colors, strong stems, good cut flower. Pkt., 25c.

2076 Vaughan's De Luxe Mixture. See Novelty Pages. Pkt., 75c.

Euphorbia ☐ 2 ft.

Culture: A, B, D or E, Page 53

2435 Variegata (Snow on the Mountain or Mountain Spurge). 2 ft. Remarkably distinct plant; very showy with its foliage edged white and green. ¼ oz., 25c; pkt., 10c.

2415 ESCHOLTZIA Vaughan's Special Mixture. Pkt., 15c.

Datura (Angel's Trumpet) ☐ 3 ft.

Culture: A, B, D or E, Page 53

Handsome subtropical plants for summer bedding, having large trumpet-shaped fragrant flowers. Seed must be planted indoors early to bloom in September. They should be given a light soil and sun.

2110 Double White. Pkt., 10c.

2115 Double Mixed. Pkt., 10c.

California Poppy

ESCHOLTZIA ☐ 12 in.

Culture: A, B, D or E, Page 53

Dainty free flowering plants of easiest culture with gaily colored Poppy-like flowers with a satiny finish. Plants of low spreading growth with finely cut silvery foliage. Do well in any well drained, loose soil and sunny position. Blooms early and continues until frost.

Dwarf Erect Varieties 1 ft. (Californica).

2414 Ramona Hybrids, Finest Mixed. The flowers are beautifully frilled and fluted, the petals form a flower which appears double. Pkt., 10c.

2390 Sunbeam. Pretty, double, bright yellow flowers 2 in. across. Differs from other varieties in this group in that the plants are dwarf and erect growing. 10 in. tall. Makes a grand showing. Pkt., 25c.

2415 Vaughan's Special Mixture. This mixture includes all the varieties here catalogued and is the most complete mixture of these charming annuals in existence. ⅛ oz., 40c; Pkt., 15c.

2385 Golden West. 1 ft. Bright yellow, orange center. Pkt., 10c.

Blue Gilia ☐

Culture: A, B, D or E, Page 53

2532 Capitata (Blue Thimble Flower). 2 ft. Bushy plant of erect habit with fine feathery foliage covered all summer with rich sky-blue flowers, 1 inch across. Makes a good cut flower. May also be dried and used as everlasting. ¼ oz., 25c. Pkt., 10c.

2530 Mixed. 1 ft. Exceedingly graceful, early flowers and valuable for bees. Charming in border. Pkt., 10c.

Gladiolus ☐

2540 Special Varieties Mixed. 3 ft. This seed is saved from great plantings of fine varieties, including prize winning sorts and rare introductions. Will produce strong bulbs that flower the second year. Pkt., 25c.

2532 GILIA Capitata. Pkt., 10c.

2681 GYPSOPHILA Elegans Grd. Alba. 15c.

Gypsophila ☐

Culture: A, Page 53

Graceful plants of light fairy-like growth. The misty bloom adds interest to a bouquet.

2681 Elegans Grandiflora Alba Special Selection. This is extremely free blooming, and petals considerably broader, making the flowers nice and round. Oz., 60c; ½ oz., 40c; ¼ oz., 25c; pkt., 15c.

2682 Elegans Vivid Rose. Pkt., 10c.

2683 —Crimson. Pkt., 10c.

2686 —Mixed ¼ oz., 25c; pkt., 10c.

See also Perennial Pages

Flowers for Shady Locations

Anchusa	Cynoglossum	Nasturtium
Antirrhinum	Delphinium	Nicotiana
Aquilegia	Digitalis	Nemophila
Asperula	Geum	Pansy
Balloon Vine	Godetia	Platycodon
Begonia	Linaria	Poppies
Bellis Perennis	Linum	Schizanthus
Campanula	Lobelia	Stocks
Centaurea	Lupin	Sweet William
Clarkia	Mimulus	Torenia
Coleus	Myosotis	Violas

4746 Annuals for Shade Mixed. Pkt., 25c.

4747 Perennials for Shade Mixed. Pkt., 25c.

Brilliant Annual Pinks □

DIANTHUS 1 ft.

Culture: A or B, D or E, Page 53

A magnificent family producing their gay, sweet scented flowers in great profusion. They embrace a great variety of forms and come in a remarkably wide range of beautiful and rich color combinations. Sown in April where they are to bloom, and slightly thinned they make a wonderful show from July until cut down by frost. Many of this family will live over in our (Chicago) latitude.

2250 Single Sweet Wivelsfield, Mixed Colors. A cross of Dianthus Allwoodi and Sweet William blooming the first year from seed. The flower heads resemble Sweet William in an almost unbelievable range of colors. Pkt., 15c.

2251 Double Sweet Wivelsfield. The original single was a cross of the Dianthus Allwoodi and Sweet William. This has the same characteristic only the flowers are double. Brilliant colors, some with honey fragrance. Pkt., 25c.

2230 Heddensis Finest Mixed. 16 in. A tetraploid combining the large open flowers of Dianthus Heddewigi with the rugged growth and long stemmed habit of Dianthus Chinensis. Well-formed 2 in. flowers in large numbers on 16 in. stems, suitable for cutting. More tolerant of extreme temperatures than either of its parents. All the traditional Dianthus colors. Pkt., 25c.

2245 **Vaughan's** Special Mixture, Single Pinks, Pkt., **10c.**

2259 **DIANTHUS** Heddewigi Gaiety Pkt., **25c.**

2300 Dianthus Vaughan's Special Mixture of Double Pinks. Selection of the best double pinks in cultivation, ranging in color through all the most brilliant shades. ⅛ oz., 40c; pkt., 10c.

2245 Vaughan's Special Mixture, Single Pinks. The flowers are extraordinarily large and embrace colors ranging from white to pink and deep crimson. ⅛ oz., 40c; pkt., 10c.

2259 Heddewigi Laciniatus Gaiety. The large fringed flowers have a bewildering variety of pink, white, red and maroon coloring, in decorative patterns, and borne freely on dwarf plants. There are numerous double and semi-double forms. The many blossoms, borne for a long season, will cover a bed of these plants with a fascinating display of brilliant colors. Pkt., 25c

2257 Chinese Double Mixed. Handsome clusters of very double flowers; many bright colors. Pkt., 10c; 3 pkts., 25c.

2301 Vaughan's Special Mixture of Double and Single Pinks. This magnificent mixture contains the cream of the annual pinks, both single and double. ⅛ oz., 50c; Pkt., 20c.

For Hot Dry Locations

Culture A, B, D or E, Page 53.

2485 Gazania Flowerland Strain. □ Splendid new strain with gorgeous large flowers in art and pastel shades oddly marked. Plants robust; in bloom constantly; for pots and sunny borders. Pkt., 35c.

Gomphrena (Globe Amaranth)

Culture: A, B, D or E, Page 53. 18 in. □

A showy annual everlasting with clover-like heads **2510 Rubra, red.** Pkt., 10c. **2525 Mixed.** Pkt., 10c.

Gaillardia □

Culture: A, B, D or E, Page 53

One of the most profuse bloomers of the flower garden Gaillardias grow best in full sunlight. The double varieties are among finest of annuals for cut flowers and deserve to be included in every list. 18 in.

2475 Lorenziana Double Mixed. ⅛ oz., 25c; pkt., 10c.

2476 Vaughan's Giant Double Sunshine. A scintillating new color mixture. Here's the unbelievably beautiful in the annual Gaillardia—the finest to-date. Huge fluffy "ball-like" double blooms, in a spritely array of brand new colors. Chrome yellow to creamy white, burnished mahogany to burgundy wine—vivacious bicolor tippings of white, red, and yellow. The brightest and most fascinating Gaillardia mixture ever offered. Bushy plants with long stems make it the "must-have" addition to the 1949 garden. It's a color bright-up wherever used. Continuous in its flowering throughout the summer. ⅛ oz., 60c; pkt., 25c.

2471 Picta Indian Chief. 1 ft. Attractive flowers of deep coppery scarlet, accentuated by a dark brown center. Dense bushy plants. Pkt., 10c.

2470 —Single Mixed. Pkt., 10c.

See also Perennial Pages.

Godetia (Satin Flower) □

Culture: A, B, D or E, Page 53

Attractive, bushy plants with masses of large, colorful blooms during the summer and fall. Thrive best in a cool, moist soil and half-shady situation.

Upright Growth, Single Flowers 1½ ft.

2571 Duke of York. Rich scarlet on white. Pkt., 10c.

Upright Growth, Double Flower 2 ft.

2591 Gladiolus Flowered, Mixed. Different from others, producing flower spikes much like a Gladiolus, which are closely set by double flowers in bright attractive colors. Pkt., 10c.

2573 Gloriosa. 10 in. Compact Dwarf Growth. Single Flowers. Dark glowing red. Pkt., 10c.

2577 Sweetheart. 12 in. Dwarf Double Azalea Flowered. Pink, cream overlay. Pkt., 10c.

Leptosyne □

Flowers in 5 Weeks

Culture: A or B, C or D, Page 53

3010 Stillmanii. 1½ ft. One of the quickest flowering annuals, blooming within five weeks from date of sowing, and the butter yellow daisy-like flowers continue in perfection for a long period. Excellent for cutting. Pkt., 10c.

2476 **GAILLARDIA** Giant Double Sunshine Pkt., **25c.**

Hollyhocks (Annual) □ 5 ft.

Culture: A or B, D or E, Page 53

These annual kinds bloom the first year and will live over winter and last for several years. If sown in the open ground in April, they will be in flower in August, but if started indoors and set out in May they will bloom in July. Very striking planted near hemlocks or used for roadside planting.

2845 Everblooming Double Mixed. Double and semi-double. ⅛ oz., 35c; pkt., 10c.

2840 Everblooming Single Mixed. Large single flowers, exhibiting every shade known in Hollyhocks. ¼ oz., 25c; pkt., 10c.

2842 Indian Spring. 6 ft. Bright rose splashed with carmine semi-double flowers, reminding one of fresh strawberry ice cream. Flowering branches are produced freely. Pkt., 15c.

2841 Indian Summer Mixed. See Novelty Pages. Pkt., 25c.

GOURDS, Varieties Illustrated are: 1. Bottle Miniature (2607); 3. Large Dipper (2610); 4. (Can not offer seed); 5. Hercules' Club (2618); 6. Turk's Turban (2645); 7. Spoon (2643); 8. Warted Sorts (2646).

Gourds □

Culture: A, B, D or E, Page 53

Large Gourd fruits make attractive decorations at harvest festivals. The small ones may be placed in bowls for table decorations. Bird houses, dippers, bowls, and toys are made of others. Leaflet on culture sent free if asked for with order.

2660 Vaughan's Special Mixture. All shapes and sizes of these interesting fruits, so fashionable for ornaments, bird houses, and utensils, are included in this mixture. 1 oz., $1.00; ½ oz., 60c; pkt. **15c**

LARGE FRUITED GOURDS

2605 Bottle. The original Thermos bottle. Makes fine bird houses.

2608 Calabash Pipe. Powder Horn or Penguin Gourd. Odd-shaped fruit which is used in making pipes.

2610 Dipper (3). Fruit makes an excellent dipper and may be used for birds' nests.

2615 Dishcloth. Fruit is made up of a spongy-like porous pulp which may be dried and used as a sponge. To speed up germination of Dishcloth Gourd, pour very hot water over seed and allow to stand for 12 hours. Plant immediately.

2618 Hercules' Club (5). Fruit grows 3 to 4 ft. long.

2645 Turk's Turban (6). Odd brightly colored fruit. Intermediate in size.

Each of above, pkt., 10c; any 3 pkts. for 25c.

2651 Large Fruited Sorts. Mixed. Pkt., 10c; 3 pkts for 25c.

SMALL FRUITED GOURDS

2607 Bottle Miniature (1).

2643 Spoon (7). Small ball-shaped fruit with slender necks, deep orange. By slicing off a side a satisfactory spoon is made.

2646 Warted Sorts (8). Mixed.

Each of the above, pkt., 10c; any 3 pkts. for 25c.

2650 Small Fruited Varieties Mixed. Pkt., 10c; 3 pkts. for 25c.

Grow with Gourds for Decorative Effect:

1927 CORN Calico Indian or Squaw. The ears are used in making charm or Patio strings combined with the small gourd fruits. The kernels are of various bright colors. Oz., 25c; pkt., 10c.

1928 CORN Strawberry. See Novelty Pages.

2458 **FLOWERING KALE.** Pkt., **25c.**

Flowering Kale

2458 Flowering Kale. Although belonging to the Cabbage or Kale family, this Flowering Kale is entirely different as to its appearance. In young stage its leaves are green just like ordinary Kale, but in autumn as the season advances remarkably beautiful colors begin to appear and paint whole plant self colors or mixed colors. The colors range from white, cream, pink, rose, magenta, etc., on dark green ground. As the plants grow, the colors become more brilliant. Pkt., 25c.

2810 **HELICHRYSUM** Vaughan's Special Mixture. Pkt., **15c.**

Helichrysum □ 3 ft.

Culture: A or B, D or E, Page 53

For winter bouquets, Straw Flowers should be cut before the centers open, and be hung upside down in a cool, dark place to dry. The foliage should be stripped off, and if it is desired, a fairly stiff wire may be twined about each stem to make them easier to handle in arranging them in bouquets. To grow large flowers, disbud, allowing only one bud to remain on each stem

2810 Vaughan's Special Mixture of Helichrysums. This is a balanced blend of named varieties and many other color tones in large flowered strains, giving an amazing collection of flowers for winter bouquets. ½ oz., 25c.; pkt., 15c.

2815 Tom Thumb Mixed. Dwarf double sorts. Pkt., 15c.

2440 Everlasting Mixed. 1 to 2 ft. A mixture of all varieties we list. Pkt., 15c.

2820 **HELIOTROPE** Mammoth Mixed. **15c.**

Fragrant Heliotrope □ 2 ft.

Culture: A or B, D or E, Page 53

Heliotrope is a universal favorite on account of its delightful fragrance and duration of bloom, flowering equally well as bedding plants in summer, or as pot plants in the house during the winter. Seeds sown in the spring make fine plants for bedding out, however, some do not have fragrance, and in order to perpetuate those that do, they should be grown from seed, then propagated vegatively.

2820 Mammoth Mixed. Large flowers ranging from dark blue to lilac. Pkt., 15c.

Annual Larkspurs

ANNUAL Larkspurs give fine spikes of bloom that are exceedingly graceful and attractive. Real treasures for cutting. Perfectly hardy. Sow very early in spring, thin out the seedlings as necessary and give each plant room for development. Seed may also be sown in late fall just before the ground freezes up for the winter for early flowers the following spring. In the summer germination is improved by chilling the seed several days in the refrigerator.

Culture: A or B, D or E, Page 53

Double Giant Imperial (Base Branching). ☐ 3 to 4 ft.

These Larkspurs are ideal for cut flowers as the flower stems, three to four feet long, branch from the base of the plants.

2151 **Blue Bell.** Lovely sky blue.
2166 **Blue Spire.** Deep violet blue.
2165 **Brilliant Rose.** Warm deep salmon rose.
2152 **Carmine King.** Brilliant scarlet.
2153 **Daintiness.** Delicate lavender.
2172 **Dazzler.** A rich scarlet base.
2155 **Exquisite Pink Improved.** Soft pink shaded salmon.
2173 **Gloria Improved.** A rich deep rose-salmon.
2160 **Lilac King.** Rich lilac.
2167 **Lilac Spire.** Attractive pinkish lavender.
2156 **Los Angeles.** Handsome rose pink.
2157 **Miss California.** Deep rose shaded salmon.
2162 **Pink Perfection.** Lively light pink, large double florets.
2163 **Sweet Lavender.**
2175 **White King.** Pure glistening white with rounded broad petals.

Each of the above, pkt., 15c; any 3 pkts. for 35c; any 6 pkts. for 60c.

2159 **Giant Imperial Mixed.** The above and others. Oz., $1.60; ¼ oz., 50c; pkt., 15c.

Double Stock Flowered ☐ 3 to 4 ft.

2120 **Dark Blue.** 2138 **Rosamond.** A pure rose color.
2137 **Newport Pink.** Lustrous carmine. 2140 **Sky Blue.** 2145 **White.**
2139 **Rose Queen.** Soft rose.

Each of the above, pkt., 10c, any 3 pkts. for 25c.

2150 **Stock Flowered Mixed.** All colors. Oz., $1.00; ¼ oz., 30c; pkt., 10c.

Larkspur Supreme. See Novelty Pages.

Super Majestic 5 ft.

The double large flowers are closely set on tall 5-foot spikes and the vigorous growth and abundance of bloom make this new strain especially useful for cut flowers and border backgrounds.

2178 **Deep Salmon Pink.** A new color in this strain. Flowers fully double, closely set on long tapering spikes. A rich warm color, similar to Miss California of the Giant Imperial Class.
2179 **Lavender.** A rich lavender.
2180 **Rose.** Huge double rose pink.
2181 **White.** Pure glistening white.
2182 **Super Majestic Mixed.**

Each of the above, pkt., 25c. 3 packets for 65c.

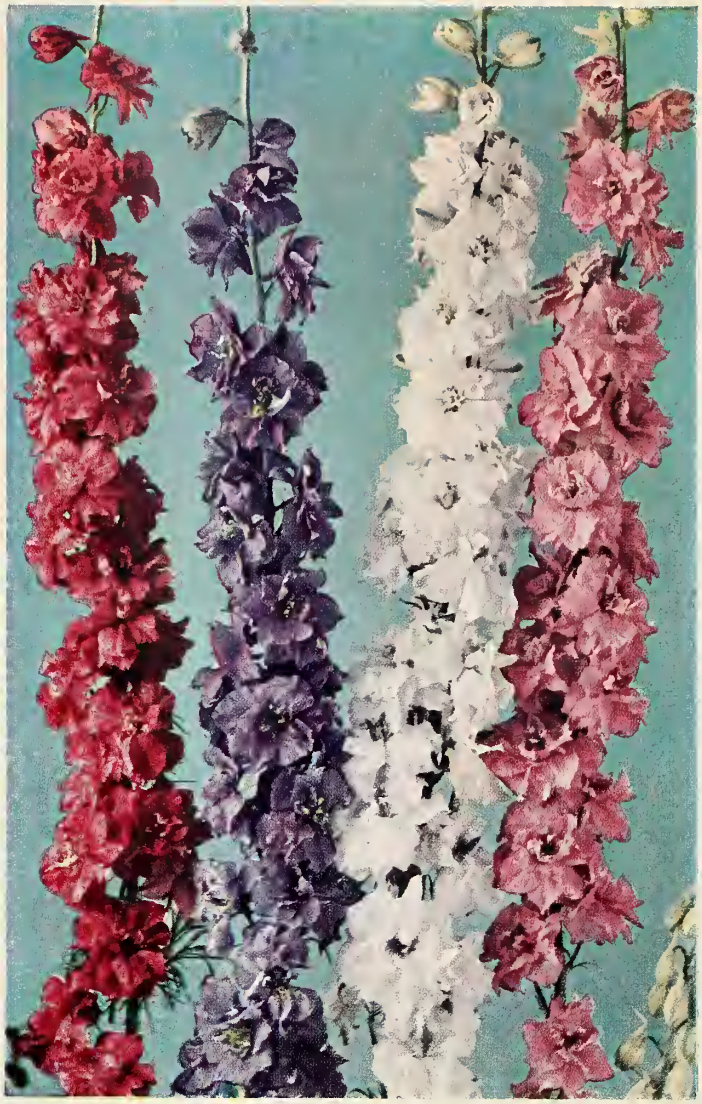
CHINESE LARKSPUR (Delphinium Chinensis). ☐ ①

The Chinese Delphinium blooms from seed the first year if sown early and may be treated as an annual though it is a hardy perennial and plants will last many years. Fine for beds and border masses. Rarely needs staking and is covered with flowers all summer and fall.

7520 **Chinese Blue.** 2-3 ft. Pure blue. Pkt., 10c.
7525 **— Album.** 2-3 ft. Pure white. Pkt., 10c.
7522 **—Cambridge Blue.** 2 to 3 ft. A good light blue. Pkt., 25c.
7530 **—Mixed.** Pkt., 10c.

Chinese Larkspur Blue Mirror. See Novelty Pages.

2861 HUNNEMANNIA Sunlite. Pkt., 15c.



2170 **LARKSPUR, Vaughan's Special Annual Mixture.** Charming mixture containing all the bright and delicate shades, makes wonderful cut flower material and should be planted generously. They should be grown in good rich well-manured soil, and in a full sunny position. The plants, moreover, should be given plenty of room in order to allow them to branch out freely, and make handsome specimens. 1 oz., $1.00; ¼ oz., 30c; pkt. **15c**

Hunnemannia ☐ 1½ ft.

Culture: A or B, D or E, Page 53

2861 **Sunlite.** Gorgeous, semi-double, clear canary-yellow blooms. The extra rows of short petals are on the outside instead of the inside of the Tulip-shaped flowers. Light gray-green foliage. Flowers last two to three days. ⅛ oz., 50c; pkt., 15c.

Impatiens ÷ ☐ 1½ ft.

Culture; A or B, D or E, Page 53

One of the best for pot culture and planting in a shaded situation. Remarkable for duration of bloom.

2875 **Holstii.** Of rapid, vigorous growth, producing large flowers of salmon-scarlet. Pkt., 25c.
2880 **Holstii Hybrids.** Range from pink through red shades to purplish-violet. Pkt., 25c.
2881 **Sultani.** Bright rose. Pkt., 25c.
2882 **Sultani Hybrids.** Colors range from pale pink to dark crimson. Pkt., 25c.

Lantana + 2 ft.

Culture: D or E, Page 53

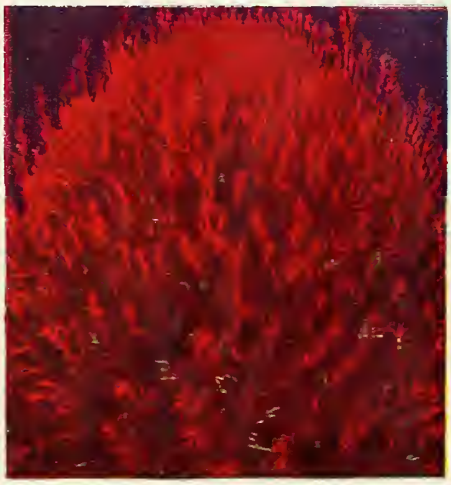
2975 **Hybrida Tall Mixed.** 1 ft. Verbena like flowers in shades of white, red and yellow. May be grown in pots, or set out in summer; remains in bloom late in autumn. They have an agreeable aromatic perfume. Pkt., 10c.
2980 **Dwarf Hybrids.** Mixed. Pkt., 15c.

My Dahlia Unwin's Dwarf Hybrids were so admired by my flower loving friends that I am purchasing packets to be sent out with my Christmas cards.
Mrs. F. W. P., Terre Haute, Indiana

2975 LANTANA Hybrida Mixed. Pkt., 10c.

Lovely Blue Lobelias

3040 **LOBELIA** Bedding Queen. Pkt., 15c.



Kochia—Burning Bush ☐ 2½ ft.

Annual Hedge Plant

Culture: A or B, D or E, Page 53

2965 Childsii. It resembles a close-clipped ornamental Evergreen. The pyramidal bushes are close and compact and of a pleasing light green. The plant may be grown singly or in the form of a hedge or background and may be clipped to form a perfect hedge, an excellent substitute for boxwood to edge beds. Oz., 50c; ½ oz., 25c; pkt., 10c.

3245 **MIGNONETTE** Machet. Pkt., 10c.

Culture: D or E, A or B, Page 53

Dwarf Varieties

The comoact class form bushy plants fairly sheeted with bloom throughout the season. Highly desirable for edgings, ribbon bedding and garden decoration.

3040 Bedding Queen. 4 in. Dwarfest, best for ribbon bedding. Flowers deep purplish-violet, with clear white eye. Pkt., 15c.

3041 Blue Gown. Clear deep blue, without eye, fine compact habit. Pkt., 25c.

3042 Blue Stone Re-Selected. Compact habit, large flowers of brilliant mid-blue. 4 in. Pkt., 25c.

3053 Cambridge Beauty. Large light blue flowers, green foliage. Pkt., 25c.

3045 Crystal Palace Compacta. 4 in. Deepest blue, dark fuliage. Pkt., 10c.

3050 Emperor William. Gentian blue flowers, light foliage, one of the best and most popular sorts. 4 in. Pkt., 10c.

3070 Dwarf Mixed Colors. Pkt., 10c.

3067 Tenuior. 15 in. Upright habit, large flowers of rich cobalt blue with white eye. Pkt. 15c

Trailing Lobelias

Are especially effective in hanging baskets or window boxes, where a long drooping effect is desired.

3064 Hamburgia. Sky blue with white eye. Pkt., 15c.

3065 Sapphire. Large, deep blue flowers, with a pure white eye. Pkt., 15c.

3060 Speciosa. 10 in. Dark blue, dark foliage. Pkt., 10c.

Annual Lupines ☐

Culture: A or B, D or E, Page 53

Free flowering, easily grown annuals, with long, graceful spikes, pea-shaped flowers. The fine, dark, glossy foliage makes an admirable foil for the long spikes of bloom; prefers a little shade.

Use Nitragin for inoculating Lupin Seed, Garden Size. Pkt., 10c.

King or Giant Hartwegi. 3 to 4 ft. Base branching plants, each bearing six to eight large flowers.

3079 Mixed. Pkt., 10c.

3105 Tall Annual Sorts, Mixed. ¼ oz., 30c; pkt., 10c.

Lavatera—Annual Mallows ☐

Culture: A or B, Page 53

Showy plants, covered with large flowers. 2½ ft.

2985 Splendens Alba. Silky, purewhite. pkt., 10c.

2991 —Mixed. Pkt., 10c.

2989 —Loveliness. Rich rose pink flowers. Very effective as a garden plant. The bronzy foliage and stems making a fine foil to the flowers. Pkt., 15c.

Sow For Fragrance

Mignonette (Reseda) ☐

Culture: A or B, Page 53

A well-known, old-fashioned flower of no great beauty, but highly prized for its fragrance, either in the garden or in mixed bouquets. The plants resent moving and seed should be sown where they are to bloom, thinning them to a foot or more apart.

3245 Machet Select. 15 in. It is the best Mignonette for all purposes. It is an ever-bloomer, the flowers lasting until late in the fall. ⅛ oz., 25c; pkt., 10c.

3260 Mixed. Also many shades and types ⅛ oz., 25c; pkt., 10c.

EVENING SCENTED STOCK or PERFUME PLANT

Culture: A or B, Page 53

3212 Matthiola Bicornis. ☐ 15 in. Lilac flowers which in the morning, evening and after a shower emit a delicious perfume. Pkt., 10c.

3039 **LINARIA** Fairy Bouquet Mixed. Pkt., 15c

Linarias (Baby Snaps) ☐

Culture: A or B, Page 53

Also known as miniature snapdragons, are very charming free flowering border plants in bright and pastel tones. To get best results thin to 18 inches.

3039 Fairy Bouquet. 8 in. A strain greatly improved by more compact growth, and with large flowers of rose, yellow, pink, lavender, carmine, red, violet, white and salmon. ⅛ oz., 35c; pkt., 15c.

3034 Maroccana Hybrida Excelsior, Mixed. Colors range through crimson and gold, pink, mauve, dark blue, chamois, rose, and lighter art shades Pkt. 10c.

Marvel of Peru or Four O'Clocks ☐

Culture: A or B, D or E, Page 53

Showy summer and fall blooming plants that do well everywhere. Flowers open in the afternoon and all day if it is cloudy. It is little known that roots may be lifted in the fall and stored like Dahlias to be replanted in spring. It will result in larger plants, stronger, with more flowers. Four O'Clocks makes an interesting low hedge very rapidly.

3290 Mixed Colors. ¼ lb., 90c; 1 oz., 30c; pkt., 10c.

3300 MIRABILIS Uniflora. See Novelties. 25c.

Mesembryanthemum (Ice Plant)

2869 Criniflorum (Livingstone Daisy). Plants of slightly spreading, daisy-like flowers, 2 inches, pure white edged with rose, crimson, pink and buff; and self colors. Will grow in crevices of paving or old walls and thrives in poor and sandy soil. Pkt., 25c.

Gay Sun-loving Marigolds

Culture: A or B, D or E, Page 53

Marigolds come in every known tint and shade of yellow and orange and in mahogany tones running into a lively red. Naughty Marietta and the many-toned Flasn make cheerful borders 2 feet across and half that high.

Gigantea or Dahlia Flowered

3142 Sunset Giants 3½ to 4 ft. Flowers 7½ inches in diameter are sometimes produced by plants of this giant strain, largest of all Marigolds. The average size is less, but still exceptionally large. Color varies yellow and orange. Plants vigorous, heavy stems, 60% double. Pkt., 15c.

3141A Orange Sunset. Giant deep orange. Pkt., 15c.

3177 Dwarf Gigantea Pot O'Gold. 12 inch. Plants are compact, well branched, bearing large blooms of bright deep orange. Flowers are somewhat loosely formed, with broad heavy petals; gracefully overlapping. Blooms early. Pkt., 25c.

Carnation Flowered

3129 California Gold. 2½ ft. Attractive deep orange flowers, with long loose petals artistically arranged, without Marigold odor. Flowers 2½ in. across on good wiry stems. Pkt., 15c.

3152 Orange Supreme. Except for its deep orange coloring, this is a twin for Yellow Supreme, which can pass for a Carnation in table arrangements, and is conceded to be best of its class. Flowers reach 4 to 5 inches, on long stems, plants 3 feet tall. Pkt., 25c.

3124 Yellow Supreme. A large bloom of honey fragrance, with broad, loose, frilled petals of a rich lemon-yellow, largest of true "Carnation flowered" type. Plants are vigorous, with foliage practically free from Marigold odor. Pkt., 10c.

3123 Guinea Gold. 2 to 2½ ft. The original Carnation-flowered type, producing flowers 2 to 2½ inches across, of brilliant orange flushed with gold. Practically 100% double. This is an early flowering sort. ⅛ oz. 35c; pkt. 10c.

3155 Super Giant Mixed. All large flowered sorts. Pkt., 25c.

Chrysanthemum Flowered

3151 Mammoth "Mum". 30 in. The flowers are fluffy ball-like, light sulphur yellow in color. The flowers are 3½ in. across and 2 in. deep. Pkt., 25c.

3132 Mission Giant Yellowstone. A sister of Goldsmith which was orange, this is golden yellow, of incurved, globular form, 2½-inch flowers, rather late, grow 3 to 5 ft. Pkt., 25c.

3153 Goldsmith. Earliest of the Chrysanthemum flowered Marigolds. Orange globular flower with incurved petals, borne on long base branching stems, 3 feet tall. Pkt., 25c.

3127 Limelight. A pale primrose yellow or deep cream, in the incurved Chrysanthemum-flowered type. Early-flowering. 1½-2½ inches in diameter, free-flowering and coming quite true. Pkt., 15c.

3140 Vaughan's Chrysanthemum Flowered Hybrids. 3 ft. An early flowering strain, bearing flowers of several distinct types, and tones of orange and yellow. Pkt., 15c.

3141 Crown of Gold. The first known Marigold with odorless foliage. Flower centers are of short curled, quilled petals with a collar of flat guard petals on outside. Color is orange, 2½-inch flowers, fragrant, 2½ feet tall. Pkt., 20c.

3175 Vaughan's Special Mixture of Dwarf Double and Single Varieties. These dwarf, compact strains are very attractive, each plant being covered with hundreds of small bright flowers, including listed varieties and many others of charming variations. ⅛ oz., 50c, pkt., **10c**

3150 Vaughan's Special Tall Mixture. This mixture includes all the African sorts, including this year's novelties. A packet will give you flowers of enormous size in a wonderful assortment of color. ⅛ oz., 50c; pkt..... **15c**

3154 Vaughan's Treasure Chest. 2½ to 3 ft. Colors run from deepest orange through golden orange, golden, golden yellow, lemon-yellow, buff-yellow to lightest primrose. Some Chrysanthemum-like but mostly of the Carnation and Peony-flowered forms, many 5 in. across. ⅛ oz., 50c.; Pkt., 15c.

3195 Special Mixture of Odorless Foliage Varieties. All the odorless varieties in excellent blend. Pkt., 25c.

Double Tall African 30 in.

3134 Alldouble Orange. Pkt., 15c.

3133 Alldouble Lemon. Pkt., 15c.

Double Dwarf French Harmony Type

A selection of new strains and varieties in the popular crested center type, 12 in. to 14 in.

3164A Butterball—See Novelty Pages. Pkt., 25c.

3174 Harmony. Dwarf, compact, early, golden yellow bordered, maroon red. ¼ oz., 60c; ⅛ oz., 35c; pkt., 15c

3160 Golden Harmony. Pkt., 15c.

3168A Melody. Excellent rich orange, compact, dwarf. Pkt., 25c.

3169A Scarlet Glow. 1 ft. In the sun this flower glows and seems redder than any other Marigold. Pkt., 25c

3169 Spotlight. Rich yellow bordered mahogany red, 1¾ inch, very early. All Double. Pkt., 25c

3170A Spry. See Novelty Pages. Pkt. 25c.

3165 Sunkist Orange. See Novelty. Pages. Pkt., 25c.

3170 Harmony Hybrids. Wide and varied range striking color combinations, 1¾ inch flowers with crested center and flanking guard petals, early, 100% All Double. Pkt., 25c.

3142 **MARIGOLD** Gigantea Sunset Giants. Pkt. **15c.**

Single French

3179 Naughty Marietta. 2 ft. Golden yellow flowers with mahogany star in center, 2 to 2½ in. across. Dwarf showy plants completely covered with bloom. Pkt., 25c.

3156 Wildfire. 18 in. This seed bearing hybrid between French and African varieties, bears single flowers which sometimes reach 3 in. in diameter, varying in color and markings on the same plant. Blooms in eight weeks from sowing. Pkt., 10c.

3187 Flash. All America Silver Medal, 1945. The name is descriptive of the bright combination of colors which range from vivid red through bronze with a few yellow flowers. Flowers grow 1¾ in. across; the plants, 18 in. tall. Pkt., 25c.

3180 Red Head. Single, crested flowers with overlapping, recurved petals—opening mahogany red, changing to bronzy gold. The crested center is made up of tiny erect golden petals edged with maroon. Compact, plants 1 ft. high and 1½ ft. across, completely covered with flowers. Pkt., 25c.

Dwarf French, Double 10 in.

3167 Gold Ball. Pkt., 10c.

3166 Robert Beist. A warm shade of shining purple scarlet. Pkt., 10c.

3171 Monarch Strain of Dwarf French, Double Mixed. Symmetrical compact habit, including orange, bronze and mahogany. ¼ oz., 35c; ⅛ oz., 25c; pkt., 10c.

3181 Dwarf Royal Scot, All Double. 10 in. Dwarf bushy growth. Mahogany and gold. Pkt., 15c.

3170 **MARIGOLD** Harmony Hybrids. **25c.**

Top row, left to right, Melody, Spry, Butterball. Lower row, left to right, Scarlet Glow. Yellow Pigmy, Flash. Pkt., **25c**; except yellow Pigmy, **15c.**

2901 **MORNING GLORY.** Giant Cornell. Pkt., **20c.**

Mexican Marigolds

3201 Gnome. A dwarf form of Signata Pumila. The plants are more dwarf, even and compact. The pretty orange colored flowers are produced all summer. Plant or thin to 6 inches apart. Pkt. 15c.

3200 Mexican Marigold (Signata Pumila). 10 in. A miniature type forming compact plants completely covered with golden orange flowers. Pkt., 10c.

3149 Tom Thumb Golden Crown. 10 in. A dwarf form of Guinea Gold. Golden yellow flowers, of Carnation type are produced, often 25 to 30 on a plant. Pkt., 15c.

Matricaria ☐

Culture: D or E, A or B. Page 53

3206 Capensis Improved. (Feverfew). 3 ft. Small, double white flowers, borne in clusters. They are perennial, but may be treated as annuals. Select flat petaled type, snow-white flowers. Pkt., 35c.

Mimosa (Sensitive Plant) ☐ 1 ft.

Culture: D or E, A or B, Page 53

3270 A pretty and curious foliage plant with leaves like those of the Acacia. They are very sensitive and close up immediately if touched or shaken. Flowers like pink fluffy balls. Pkt., 10c.

Nemesia ☐

Culture: D or E, Page 53

The orchid-like flowers range from rose to yellow-orange and blue. It should have an early start in greenhouse or hotbed so it can flower before mid-summer.

3359 Triumph Hybrids. A splendid race of these popular annuals. The plants grow 6 to 8 inches high, in bushy form, and bear continuously, myriads of brilliantly colored flowers; cream, orange, yellow, crimson, rose, scarlet, etc., tipped with other colors. Pkt., 15c.

Night Flowering

IPOMOEA (Moonflower) ☐ = 20 ft.

2895 Bona Nox (Evening Glory). Violet. Pkt., 10c.

2905 Mexicana Grandiflora Alba (White Moonflower). Covered with large white flowers every evening and cloudy day. Pkt., 10c.

2910 Giant Pink. Soft lilac-pink flowers. Pkt., 10c.

Moonflowers

Day Flowering Ipomoeas

2925 IMPERIAL MORNING GLORIES Vaughan's Special Mixture. The colors run from snow-white through all tones of blue, red, and purple. Sun-loving plants do best when protected from north and west wind. ¼ oz., 30c; pkt..... **10c**

2943 **MORNING GLORY.** Improved Pearly Gates. Pkt., **25c.**

Morning Glories

Culture: A or B, D or E, Page 53

If sown outdoors, do not sow until the ground is warm and summer established. Give plants full sun sandy soil, and do not overfeed, as this may limit flowers.

2948 **MORNING GLORY** Scarlett O'Hara. Pkt., **20c**

2942 Heavenly Blue Improved. The color is a deep sky blue, shading lighter toward the center; the flowers are large and freely produced and the plants flower early and continue throughout the summer. Flowers remain open to six o'clock in the evening on cloudy days. Oz., $1.00; ¼ oz., 30c; pkt., 15c.

2941 Clarke's Early Flowering. A strain of Heavenly Blue selected for earliness. Flowers measure 3½ to 4 inches across. To sow indoors, nick through hard outer shell of seed with knife or file. Then sow in flower pot in good friable soil, and place where bottom heat of at least 70 degrees is provided. Keep indoors until weather is warm. ¼ oz., 30c; pkt., 15c.

2901 Giant Cornell

The flowers, as large as Heavenly Blue, are an intense carnelian red with pure white border, reproducing the colors of Cornell University, presenting a very gay appearance. Growth is rapid and flowers come early, when vine is two feet tall, increasing in number until killing frosts arrive. ¼ oz., 50c; pkt. **20c**

2943 Improved Pearly Gates. This is a white sport of the lovely Heavenly Blue morning glory, and is similar in size, vigor of growth and abundant bloom, to that unsurpassed climber. Pkt., 25c.

2948 Scarlett O'Hara. Stunning 3½-in. flowers of a soft velvety scarlet, borne in profusion from July until frost. The flowers stay open longer in the day than other sorts. ¼ oz., 60c; pkt., 20c.

2939 Blue Star. See Novelty Pages. Pkt., 25c.

2947 Blue Mound. See Novelty Pages. Pkt., 25c.

2942 **MORNING GLORY** Heavenly Blue Improved. Pkt., **15c**

Red, White and Blue

2940 Red, White and Blue Collection. One packet each of Scarlett O'Hara, Heavenly Blue and Pearly Gates Morning Glory (value 60c), for 40c.

2935 Red, White and Blue Mixture. A balanced mixture of the above. Pkt., 25c.

1921 **DWARF** Pink Morning Glory. Pkt., **25c.**

DWARF MORNING GLORY 1 ft.

Showy hardy annuals for beds and borders, also rockwork; they bloom for a long period and delight in sun.

1921 Dwarf Pink. Dwarf spreading plants which are very free flowering. Excellent for growing in window boxes, hanging baskets, low edgings and rockeries. The flowers resemble small morning glories but remain open all day in good weather. Sow seed in bright, sunny spot. Pkt., 25c.

1922 Dwarf Royal Ensign. A deep bright ultramarine; the deepest and brightest of all blue annuals, with a white halo and gold throat. The plants are covered with their attractive blossoms all summer. Use for edging and borders. Pkt., 20c.

1920 Dwarf Mixed, all colors. Pkt., 10c.

CONVOLVULUS (Morning Glory)

1900 Tall Mixed, all colors. 1 oz., 25c; pkt., 10c

Mimulus ☐

Culture, D or E, Page 53

3280 Tigrinus (Monkey Flower) Queen's Prize, Single Mixed. 1 ft. Dwarf bushy plants, with spotted large Gloxinia-like flowers. Pkt., 10c.

Nemophila (Baby Eyes) ☐ 6 in.

Culture, A or B, D or E, Page 53

Hardiest of annuals, and of the easiest culture for semi-shaded spot.

3376 Insignis Blue. Lovely cup-shaped, sky blue flowers with white center. Pkt., 10c.

Fragrant Nasturtiums □

Culture: A ar B, D ar E, Page 53

NASTURTIUMS will really grow on soils incapable of supporting any other plants, and are most useful on dry, sandy, or gravelly banks. Leaves of Nasturtiums may be used for sandwich fillings and salads and the green seed pods may be used in pickles.

Aphis on Nasturtiums. One of our friends writes in "Horticulture": "I am not troubled with aphis if I sprinkle moth balls on the ground quite close to the stems of the plants." Red Arrow is also recommended.

Tall, Double Fragrant Varieties

3735 Golden Gleam. The large double, golden yellow flowers on long stems are borne profusely well above the bright green foliage. Oz., 35c; pkt., 10c.

3732 Indian Chief. Dark foliage and vivid scarlet flowers. Oz. 35c; pkt., 10c.

3734 Mahogany. Large double flowers of dark mahogany-red. Oz. 35c; pkt. 10c.

3737 Orange Gleam. Clear deep orange colored flowers. Oz., 35c; pkt., 10c.

3738 Salmon Cerise. Pkt., 10c.

3736 Scarlet Gleam. The flowers are a fiery orange-scarlet. Oz., 35c; pkt., 10c.

3745 Vaughan's Special Mixture of Tall Nasturtiums. In this will be found all the choicest colors of all the Tall Nasturtiums, both single and double, and will furnish a brilliant display of flowers. ¼ lb., 55c; 1 oz., 25c; pkt., 15c.

Dwarf, Double Fragrant Varieties

3557 Nasturtium Double Dwarf Garnet Gem. Deep, rich, garnet-red. The delightfully scented flowers have enough orange suffusion to enliven them with an iridescent glow that is most pleasing. Pkt., 15c.

3561 Globe of Fire. Flowers of flaming red, contrasting vividly with the dark green leaves, borne in great abundance upon a compact plant. Oz., 35c; pkt., 10c.

3558 Golden Globe. Identical in color with Golden Gleam, but making bushy plants which the freely produced blossoms convert into mounds of gold. Oz., 35c; pkt., 10c.

3542 Mahogany Gem. The velvety, brilliant flowers are rich, deep mahogany. Red wallflower color. Oz., 35c; pkt., 10c.

3560 Dwarf Double Gem Mixed. Ideal for edging beds and window boxes. Evenly balanced range of bright colors. ¼ lb., 90c; oz., 30c; pkt., 15c.

3570 Vaughan's Special Mixture of Dwarf Nasturtiums. This mixture is put up by ourselves from named sorts of the single and double varieties which have the richest and most varied combination of colors. ¼ lb., 55c; 1 oz., 25c; pkt., 15c.

3575 Single Dwarf Nasturtiums Mixed. Single flowering varieties are preferred by many because they flower more freely in some locations. This mixture includes a well balanced range of red, orange and yellow, even more varied than is found among the double type. ¼ lb., 60c; oz., 25c. Pkt., 10c.

3739 Vaughan's Double Tall Glorious Gleam Hybrids. Colors never seen before in a double Nasturtium abound in profusion—salmon, golden yellow, orange scarlet, cerise, cream yellow, orange, crimson, and gold flushed scarlet combine with the foliage of fresh green. ¼ lb., 1.00; oz., 30c; pkt., 15c.

Myosotis — Forget-Me-Nots □ 1 ft.

Culture: A, B or C, Page 53

Will bloom the first year from seed, so treat as annuals. If wintered over, Alpestris varieties will bloom in early spring; they delight in well-drained soil in a sunny location. Other varieties listed will bloom from May until frost and prefer cool, moist loam and half-shade. For beds, borders, rock gardens, pots and cutting.

3356 **MYOSOTIS** Blue Bird. Pkt., **25c.**

I want to tell you how beautiful my Calico and Strawberry Corn was last year. I varnished the cobs and have them hanging in clusters on the front porch.
Mrs. R. V. B., Santa Fe, N. M

3321 Alpestris Blue Eyes. Bright blue with white eye, large, early. Pkt., 15c.

3328 Alpestris Indigo (Sutton's Royal Blue). Popular for spring bedding, spreading spray like stalks covered with deep indigo flowers, also good for cutting. Pkt., 10c.

3335 Alpestris Robusta Grandiflora. Blue. Large clusters of bloom. Pkt., 20c.

3356 Vaughan's Early and Late Flowering Blue Bird. 1 ft. A beautiful deep blue variety. A perennial which blooms from seed if sown early the first year. Pkt., 25c.

3350 Stricta. Blue Bouquet. A compact, upright grower of the pillar or column type, completely smothered with flowers of bright blue. 1 ft. Pkt., 25c.

3340 Victoria Sky Blue. 8 in. Dwarf globular plants, completely covered with bloom, best variety for borders and pots. Pkt., 25c.

Nigella (Love-in-the-Mist) □

Culture: A ar B, D or E, Page 53

3420 Miss Jekyll Dark Blue. A lovely variety, bearing on long stems, large semi-double flowers of a charming intense dark blue nestling in fine feathery foliage. Pkt., 10c.

3415 Mixed Blue and White. 8 in. Pkt., 10c.

Nierembergia □

Culture: D ar E, Page 53

3412 Coerulea Purple Robe. This is like the pale lavender Hippomanica, in its compact growth, completely covered with bloom, but its flowers are of deep violet, unfading in the hot sun, where Hippomanica would bleach to almost white. Blooms in 15 weeks from sowing, prefers sandy soil and sun, splendid for bedding and edging. Pkt., 25c.

Oenothera □ 1½ to 2 ft.

Culture: A. Page 53

3439 Lamarckiana (Evening Primrose). Its yellow flowers attractive during the daytime, seem to reflect the moon at night. Pkt., 10c.

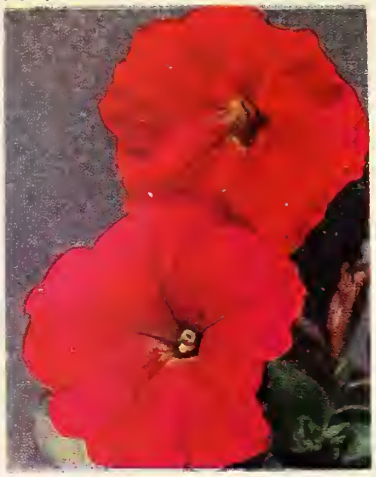
Small Flowering Single Petunias □

Culture: D or E, Page 53

In dry season or wet, the Petunia is the most adaptable, long flowering and colorful of the garden annuals. There is an almost complete color range from the pure white to delicate yellow, through many shades to red and rich purple, veined or blotched with plain or frilled edges. There are small, large single, and double flowered. Petunias make good cut flower material. We supply a leaflet on culture if asked for with order.

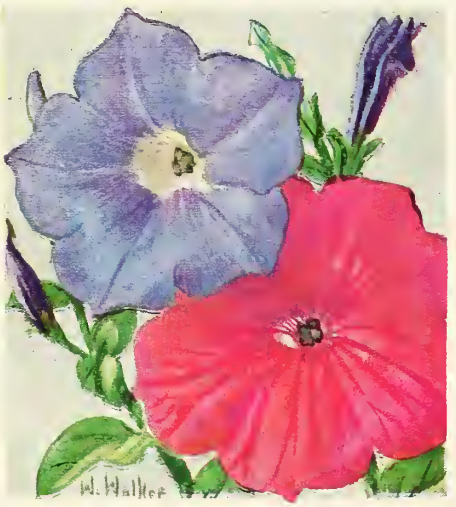
4008 **PETUNIA** Topaz Queen. Pkt., **25c.**

3975 **PETUNIA** Howard's Star Improved. **10c.**



4007 **PETUNIA** Glow. Pkt., **25c.**

4025 Vaughan's Special Mixture of Dwarf Small Flowering Varieties includes all the varieties listed and many others, and will be a revelation to those who plant a packet, in furnishing an unending supply of flowers in a most bewildering combination of colors. ¼ oz., $1.25, ⅛ oz., 75c; pkt., 25c.



4001 **PETUNIA** Heavenly Blue Re-Selected. Pkt., **25c.**

4017 **PETUNIA** Celestial Rose. Pkt., **25c.**

White Petunias are all delightful to meet by night because they're so luminous under starlight and so sweetly perfumed.

Single Dwarf Small Flowering Petunias 12 to 15 in.

3996 Admiral. In uniform growth, and unvarying clear dark blue coloring of its abundant blossoms, this excels all other small-flowered blue Petunias. Pkt., 50c.

3983 Bright Eyes, which was awarded a Bronze Medal in 1946, presents a lively picture, growing but 9 inches tall in a compact mound completely covered with small 1½ inch flowers of soft pink, with white throat. It is a smaller, more compact Rosy Morn, more profuse in flowering. Pkt., 25c.

4017 Celestial Rose. Improvement on Rose of Heaven. More compact in growth and deeper in color. A beautiful rich satiny rose with white throat. Pkt., 25c.

3960 Cheerful. The clear salmon pink flowers have a deeper rose veining toward the throat. The growth is low spreading close to the ground, later the plants form a mound 10-12 in. high with a spread of 2 ft. Growth is densely compact and the plants are studded from early summer until frost with flowers 2½ in. across. Pkt., 25c.

4003 Cream Star. Covered all summer with small flowers of soft creamy white, with deeper cream throat. Gives effect of white in the garden. Plant in shade. Pkt., 25c.

4001 Heavenly Blue Re-Selected. A silvery light blue. Varies about 10% in shade. Pkt., 25c.

4007 Glow. The richest red small flowered single petunia, a dwarf, bushy plant, which is covered with 2½-inch flowers of dazzling carmine red. Pkt., 25c.

3973 Igloo. The most uniform, free-blooming, dwarf white Petunia so far developed. Plants are true, very uniform and compact growing. 12 to 15 inches tall. The small, 1½-inch, creamy white single flowers with yellowish throats, cover the plants in a sheet of bloom from early to late. Excellent and very showy for bed or border. Pkt., 25c.

4005 Improved Rosy Morn. An improved strain of the clear pink bedding variety. Of deeper coloring, more compact growth, and freer flowering with the same white throat. ⅛ oz., 50c; pkt., 15c.

4022 King Henry. Compact, globular habit, large blooms of a velvety blood red color on short stems. A dwarf Flaming Velvet. Pkt., 25c.

4079 Martha Washington. 9 in. Blush pink deepening to dark violet throat, ruffled flowers. Pkt., 25c.

4023 Pink Sensation. 24 in. A new type with tall, bushy plants, and flowers in profusion. The blossoms are large, of light rose-pink. The plants are held erect by strong stems without sprawling. Pkt., 50c.

4018 **PETUNIA** Rose of Heaven Select. Pkt., **25c.**

4008 Topaz Queen. Its scarlet-rose coloring is deeper and richer than Celestial Rose, and does not fade in the sun. Its habit is uniformly compact, flowers larger and borne freely throughout the summer. It is especially recommended for locations where the hot sunshine tends to pale the color of other varieties. Pkt., 25c.

4021 Twinkles. Masses of small brilliant rose flowers with well-defined pure white star. Pkt., 20c.

3990 Violet Queen (Improved Blue Bird). Rich violet, compact and dwarf, best strain. Pkt., 25c.

4010 Silver Medal. See Novelties. Pkt., 50c.

4009 Snow Queen. Large pure white flowers on dwarf erect growing plants. Pkt., 25c.

Single Small Flowering Petunias 18 to 24 in.

4006 Flaming Velvet. A rich velvety crimson, best of its color in this class. Pkt., 35c.

3975 Howard's Star Improved. Red purple with white star. Pkt., 10c.

3989 Radiance. A cerise rose with enough underlying salmon to remove harshness. The throat is golden yellow. Pkt., 25c.

4018 Rose of Heaven Select. Rich brilliant rose, with inconspicuous white throat, darker than Rosy Morn. 1/16 oz., 75c; pkt., 25c.

4020 Snowball. Pure satiny white. Pkt., 10c.

3980 White King. Showy clear snow white flowers. Pkt., 25c.

3995 Finest Mixed. ⅛ oz., 50c; pkt., 10c.

Miniature 6 in.

A new strain of dwarf compact miniature Petunias.

4027 Rose Gem. Deep rich rose. Pkt., 25c.

4024 Violet Gem. Rich violet blue. Pkt., 25c.

4055 **PETUNIA** Snow Storm. Pkt., **35c.**

Large Single Flowering (Plain Edged) 12 to 16 in.

The flowers of this type average 3 to 4 inches across.

4057 Burgundy. Rich wine red with a contrasting white throat. Pkt., 25c.

4060 Dazzler. Dazzling scarlet See novelties, 35c.

4058 Elk's Pride. Re-Selected. Velvety black-purple, best of all dark blues. Pkt., 25c.

4085 Giant Flowering Flaming Velvet. Vivid velvety dark red, comes 100% true. Pkt., 25c.

4055 Snow Storm. Glistening white, shadowing yellow in the throat. 4 to 5 in. flowers. Pkt., 35c.

4067 White Cloud. Fine compact bushes only 12 inches high, richly covered with pure white blooms 3 to 3½ inches in diameter. Pkt., 35c

4065 Giants of California Mixed. A well balanced mixture containing a remarkably fine variety of colors, in blends of crimson, white, violet, lavender and pink. Large flowers freely produced. Pkt..... **25c**

4064 Giants of California Glamour. The blooms are deeply ruffled and a rich salmon-rose, with soft tan veining on a creamy buff background deep in the wide-open throat. Pkt., 35c.

4066 Dwarf California Giants Mixed. The habit of the plant is very dwarf, flowers very large and of the finest substance. All with open veined throats of the Superbissima type. Pkt. (250 seeds), 50c; 500 seeds, 90c.

3935 All Double Rose Marie. 18 in. The dwarf compact plants are profuse blooming and the delightful rose pink flowers grow 3 in. and more across. Wonderful for beds and borders. Lovely cut flowers. Pkt., (100 seeds) $1.00.

ILLUSTRATED ABOVE

4076 Fluffy Ruffles Mixed. The flowers are so ruffled and frilled they have the appearance of being double. The flowers are very large with large throat. It is a well balanced mixture of pink, white, salmon, deep rose crimson, and light blue. about 75% will be ruffled. Pkt..... **35c**

Large Petunias

Large Single Fringed

4049 Dainty Lady. A large flowering single fringed variety of delicate golden yellow, the first really yellow Petunia. Plant in shade. Pkt., 35c.

4050 Lace Veil. 12 in. Large pure white flowers with fringed petals, many waved. Pkt., 35c.

4047 PurpleBeauty. 16 in. A large flower beautifully frilled, the best blue fringed Petunia. 35c.

4069 Ruffled Monsters. Semi-dwarf type of erect and robust habit. The flowers are very large and ruffled, colors red and dark purple, richly marked and veined. Pkt., 50c.

4082 Scarlet Beauty. Very bushy, covered with rich scarlet flowers. The result of breeding from the popular Queen of the Market. Pkt., 35c.

4078 Setting Sun. Forms compact bushes 12 inches high, covered with fringed blossoms of rose pink, measuring 3 inches across. Pkt., 35c.

4048 Fringed Snowstorm. 20 in. Flowers white with yellow throat, 3-inch diameter and deeply fringed. Pkt., 35c.

4062 Theodosia. 20 in. Fringed rosy pink with a golden center Fine for porch boxes. Pkt., 35c.

4059 White Beauty. Fringed pure white. 25c.

4100 **VAUGHAN'S** Best Mixture, Large Flowering Single. Pkt., (300 seeds) **35c.**

4062 **PETUNIA** Theodosia. Pkt., **35c.**

Balcony Type Petunias 18 to 24 in.

Single large flowering sorts, trailing habit.

4037 Balcony Black Prince. Dark rich crimson.

4036 Balcony Blue. Rich blue.

4034 Balcony Red.

4040 Balcony Rosy Morn. Rose white throat,

4041 Balcony Rose. **4035 Balcony White.**

Each of the above, pkt., 25c; any 3 for 65c.

4042 Balcony Mixed. ⅛ oz., 60c; pkt.,25c.

Giant Single Flowering 18 in.

The flowers of this strain average 5 to 7 inches across.

4086 Pink Shades. The colors range from deep rose pink to light apple blossom and from a coppery rose to light salmon, also pink and white variegated. Flowers vary from 4 to 5½ inches, and are nicely ruffled. Pkt., 50c.

4071 Copper Red. Enormous flowers with a dark throat, deeply veined. Pkt., 35c.

4090 Prince of Wuerttemberg. Rich dark red with a dark throat. Darkest of all Petunias. Pkt., 35c.

4091 Princess of Wuerttemberg. A ruffled giant rose flower with a garnet throat. Pkt., 35c.

4077 Salmon Beauty. True salmon pink, one of the outstanding varieties in our trials. Pkt., 35c.

4100 Vaughan's Best Mixture Large Flowering Single. Includes Giant Ruffled, all colors of large flowering and fringed sorts, and the unsurpassed Superbissima varieties, with their delicately veined throats and mammoth flowers. Pkt. (300 seeds)..... **35c**

Phlox, the Gayest Annual ☐

4220 **PHLOX** Vaughan's Special Mixture. Pkt., **25c.**

4220 PHLOX DRUMMONDI VAUGHAN'S SPECIAL ANNUAL MIXTURE. Contains all the Grandiflora varieties listed here and several other strains only to be had in this mixture, and will delight and astonish all with its extensive variety of colors. Over 30 different shades will be produced from a single package. ¼ oz., $1.50; ⅛ oz., 80c; pkt. **25c**

3393 **NICOTIANA** Affinis Crimson Bedder. Pkt., **15c.**

3404 **NICOTIANA** Orange Blossom Pkt., **25c.**

Culture: A or B, D or E, Page 53

For a brilliant display plant Vaughan's Special Mixture. Seed may be sown in the open as soon as frost danger has passed. Sow where the plants are to flower as they do not like to be transplanted. 12 inch.

Drummondi Grandiflora Varieties

This section has beautiful, round-petaled flowers, which overlap each other.

4113 **Brilliant.** Rose with dark eye.
4120 **Chamois Rose.**
4110 **Flaming Velvet.** Rich deep reddish purple.
4109 **Crimson Starred White.**
4125 **Fiery Scarlet.**
4115 **Flesh Color.**
4140 **Isabellina.** Buff yellow.
4149 **Pure White.**
4155 **Rose.**
4146 **Rose Starred White.**
4150 **Scarlet with White Eye.**
4159 **Violet Blue.**
4161 **White with Dark Eye.**

Each of the above, pkt., 15c; any 3 pkts., 40c.

4165 **Splendid Mixture.** ⅛ oz., 55c; pkt., 15c.

4175 **Cuspidata or Star Mixed.** Quaint and unusual flower formation. Pkt., 25c.

Phlox Nana Compacta Dwarf

These make symmetrical bushes, covered with flowers all summer and fall. 8 in.

4180 **Apricot.** Yellow.
4183 **Fireball.** Blood-red.

Each of the above, pkt., 25c; any 2 pkts. for 40c.

4205 **Nana Compacta Mixed.** All colors. ⅛ oz., 75c; pkt., 25c.
4174 **Beauty Mixed.** All colors. Flowers immense, coloring bright and nearly all blossoms display a white eye. Pkt., 15c.

Giant Phlox

4104A **Gigantea, Red Glory.** The richest bright red with contrasting white eye. Its color is the same as Scarlet Flax; a free, continuous bloomer. Pkt., 25c.
4104 **Gigantea Salmon Glory.** Florets measuring 1½ inches of pure salmon pink. They not only register well in border clumps and bedding masses, but are useful cut flowers all summer. Pkt., 20c.
4105 **Gigantea Mellow Moon.** See Novelties. Pkt., 25c.
4103 **Gigantea Art Shades.** A strain with flowers 1½ inches in diameter, in a remarkable variety of soft color tones, which blend delightfully. Pkt., 25c.

Phlox Tetra

4225 **Red.** See Novelties. Pkt., 35c.
4226 **Salmon.** See Novelties. Pkt., 50c.

Nicotiana ☐ 2 ft.

Sweet-Scented Tobacco Plant

Culture: A or B, D or E, Page 53

Their long tubular flowers close in midday, but open as evening approaches and give forth a rich perfume.

3390 **Affinis.** One of the most delightfully fragrant flowers, giving a continuous display of waxy white flowers right through the summer and autumn. The plants are of branching, bushy habit, carrying their flowers in clusters. Pkt., 10c.
3392 **Affinis Hybrids.** Splendid hybrids in blue, red and rose shades. ⅛ oz., 25c; pkt., 10c.
3393 **Affinis Crimson Bedder.** The flowers are of a rich deep crimson. 15 in. Pkt., 15c.
3391 **Affinis Dwarf Crimson Flame.** Petunia-like flowers form five pointed red stars, very fragrant. Pkt., 25c.
3404 **Orange Blossom (Miniature White).** 18 in. An elegant small flowered pure white species; delightfully scented; even, upright growth. Daintier than the Affinis or Sanderae Hybrids. Pkt., 25c.
3396 **Sanderae Crimson King.** Dark velvety crimson-red flowers. Pkt., 10c.
3397 **Sanderae Hybrids.** Pkt., 10c.

4370 **POPPY** Shirley Vaughan's Special Mixture. Pkt., **15c.**

4277 **POPPY** American Legion. Pkt., **10c.**

Shirley Poppies 2 ft.

(SILK OR GHOST)

Culture: A, Page 53

Sow them early—since they defy frosts—and where they are to bloom, as they dislike transplanting. They flower in a few weeks from seed. Successive sowings should be made to provide continuous flowering. Mix the seeds with sand to scatter them, and thin out to 8 inches apart.

These have beautiful satiny flowers of various colors, all with white centers. Foliage is hairy and finely cut.

4277 **American Legion.** A dazzling orange-scarlet of enormous size. ¼ oz., 25c; pkt., 10c.
4296 **Dazzler.** All double orange scarlet. Pkt., 10c.
4238 **Double Begonia Flowered Sweet Briar.** Sweet Briar is a delightful shade of deep rose-pink. The blossoms are full double. Pkt., 10c.
4239 **Double Begonia Flowered Mixed.** The flowers resemble the double tuberous rooted Begonias in form and contain an assortment of lovely light shades. Pkt., 10c.
4368 **Double Shirley Ryburgh Hybrids.** Beautiful double satiny flowers in shades of white, pink and old rose with white center. Pkt., 10c.
4280 **Wild Rose Shirley.** 20 in. Shades of rose and pink. Pkt., 10c.
4370 **Vaughan's Special Mixture of Shirley Poppies.** Lovely and dainty shades, many edged and shaded with other colors. 1 oz., $1.00; ½ oz., 50c; ¼ oz., 30c; pkt., 15c.
4270 **Tulip (Glaucum).** 20 in. Large tulip-shaped flowers of dazzling scarlet; not unlike a Scarlet von Thol Tulip. ½ oz., 30c; pkt., 10c.

Passiflora

Culture: A or B, D or E, Page 53

3910 **Coerulea Grandiflora (Passion Flower).** Slender but strong grower. Flowers 2½ to 3½ inches across, slightly fragrant, greenish white; the corolla is blue at the tip, white in the middle and purple at the base. Pkt., 10c.

3894 **PANSIES** Vaughan's Super Swiss Giant Mixed. Pkt., **35c.**

3894 Vaughan's Super Swiss Giant Mixture. The flowers are gigantic size, perfectly round, fine substance of flower and good form of plant, and exhibit shades previously unknown in this family. They bloom early in the spring, continuing in flower all summer until late in fall. $\frac{1}{16}$ oz., $1.25; $\frac{1}{8}$ oz., $2.40; pkt..... **35c**

Pansies have long been a specialty with us. We introduced the Swiss Giants to American gardens and named and introduced the lovely Canadian variety Maple Leaf. Leaflet on culture will be supplied if asked on order.

3840 Trimardeau Mixture. It has a complete color range, of older varieties. $\frac{1}{8}$ Oz., $1.25; Pkt., 15c.

3881 Engelmann's Giant. A special strain selected and developed by an English grower. The plants are dwarf and compact and the huge flowers, in many dark and light tones appear early. Pkt., 50.

3865 Giant Spring Beauty. See Novelties. 35c.

Baby Pansies Bloom in 70 days from Seed

3761 Baby Delight. An ideal Pansy for spring blooming. Makes dwarf but compact bushy growth with a height of not more than 8 in. The flower is lovely light blue, with a pleasing "face" about 1 inch in diameter. Pkt. 20c.

3891 **PANSY** Swiss Blue (Ullswater). Pkt., **25c.**

Giant Pansies

Culture: A, B or C, Page 53

GIANT SWISS VARIETIES

3892 Alpenglow. Rich wine-red shades. Pkt., 25c.

3896 Berna. Dark violet blue. Pkt., 25c.

3891 Blue (Ullswater) (Thuner Sea). Deep blue flower with blue-black blotches. Pkt., 25c.

3820 Coronation Gold. The largest pure gold self. Pkt., 50c.

3897 Delft Blue. A delightful tone of translucent blue. Pkt., 25c.

3862 Fire Beacon. Bright wallflower red with a touch of orange. Pkt., 50c.

3899 Monch. Pure yellow, blooming early. Pkt., 50c.

3900 Pure White. Pkt., 50c.

3893 Yellow (Rheingold). Rich yellow with blotches on the three lower petals. Pkt., 25c.

3902 Swiss Pansy Collection. 1 Pkt. each of above 9 varieties, regular value $3.25 for $2.75.

3898 Swiss Giant Orange. A perfectly round flower with overlapping petals of good substance. Color is a vivid orange, the upper petals carrying a halo of golden yellow, lower deep orange. Pkt., 50c.

3892 **PANSY** Swiss Alpenglow. Pkt., **25c**

SPECIAL MIXTURES

3794 Vaughan's Super Maple Leaf Giant Mixture (Canadian Giants). The leaves are of giant size and flowers up to 4 inches across, of wonderful substance and fine form. Many charming colors. $\frac{1}{16}$ oz., $1.50; $\frac{1}{8}$ oz., $2.50. Pkt..... **50c**

3875 Vaughan's Giant Mixture. This mixture contains all the self-colors, such as white, yellow, blue, purple, red, bronze, etc. All the flowers are of the Giant type and of good shape and texture. $\frac{1}{8}$ oz., $1.50; Pkt..... **25c**

Pentstemon

Culture D or E, Page 53

3926 Sensation Mixture. If sown in heat in February or March, they will flower freely the first year, producing large spikes of handsome Gloxinia-like flowers. Often 2 in. across and in the most brilliant and varied colors, many of which are beautifully edged with a fine contrasting color. 2 ft. Pkt., 25c.

See Perennial Pages for other varieties

3926 **PENTSTEMON** Sensation Mixed. **25c.**

4630 SALPIGLOSSIS Vaughan's Special Mixture. Pkt., **15c.**

Gold-veined Salpiglossis ☐

Culture: A or B, Page 53

ONE of the easiest of annuals to grow, the Salpiglossis is rich in deep color tones rare in the floral world, which are set off by veins of gold, marking every flower so noted. Its blossoms, similar in shape to a Petunia, on strong stems are borne profusely until frosts kill the plants. 30 inches.

4611 **Blue and Gold.**
4590 **Bright Crimson.**
4591 **Brown and Gold.**
4592 **Chamois.**
4600 **Rose and Gold.**
4613 **Scarlet and Gold.**
4601 **Rose, Crimson and Gold.**
4614 **Velvety Red.**
4610 **Golden Yellow.**
4599 **Purple and Gold.**
4616 **White and Gold.**
4617 **Violet and Gold.**

Each of the above, pkt. 10c; any 3 pkts., for 25c.

4625 **Emperor Mixed.** Large improved strain. Complete range of colors. ⅛ oz, 25c; pkt., 10c.

4615 **Gloxiniaeflora Mixed.** A special selection of the Painted Tube Tongue. Flowers large and fancifully veined in contrasting colors. Pkt., 10c.

4630 **Vaughan's Special Mixture.** This mixture is put up by ourselves of separate varieties and is without doubt the best mixture obtainable. ⅛ oz., 30c; pkt., 15c.

4620 **Dwarf Giant Flowered Salpiglossis.** See Novelty Page 15. Pkt., 20c.

SOWING FINE SEEDS

One garden enthusiast mixes her fine seeds, such as Petunia, Poppy, etc., with ten times their bulk of dry sand, puts them into a salt shaker and sifts them over the beds or borders firming them with a board. A very practical idea. Try it!

4560 RICINUS Zanzibar Mixed. Pkt., **10c.**

4455 PORTULACA Double Best Mixed. **15c.**

Portulaca ☐

Culture: A, D, Page 53

Moss Rose For Hot, Dry Places

Portulaca makes a brilliant carpet for a sunny spot where a ground cover is needed. Flowers like little Roses. In sowing, mix the seed with many times its bulk in dry sand. Sow when ground is warmed.

Large Flowering Single

4426 **Jewel.** See Novelty Pages. Pkt., 25c.
4430 **Single Mixed.** Oz., $3.00; ¼ oz., 90c; ⅛ oz., 50c; pkt., 10c.

Large Flowering Double

A certain amount will produce single flowers.

4438 **Golden Yellow.**
4440 **Pink.**
4441 **Salmon.**
4443 **Scarlet.**
4444 **Sulphur Yellow.**
4435 **White.**

Each of the above, pkt. 15c; 2 pkts. for 25c.

4455 **Double Best Mixture.** Extra selected true double. ¼ oz., $1.25; ⅛ oz., 75c; pkt., 15c.

Rudbeckia

Culture: A or B, D or E, Page 53

8465 **Herbstwald Autumn Tints.** 2 ft. A perennial which blooms the first year from seed sown in March, furnishes star flowers of fiery autumn coloring called "Gerberas of the North." Pkt., 25c.

Schizanthus

Butterfly Flower or Poorman's Orchid ☐

Culture: A or B, D or E, Page 53

Beautiful bushy plants covered with dainty flowers handsomely marked with contrasting colors.

4754 **Pansy Flowered (Danbury Park Strain).** Large blooms of Pansy shape, in rich pink, crimson, mauve, purple and white. Pkt., 35c.
4755 **Dr. Badger's Hybrids.** An extraordinary strain in many beautiful colors. Pkt., 25c.
4756 **Monarch Strain.** This is the brightest mixture of roses and appleblossom pinks, salmons, rosy crimsons, deep violet purples and many indescribable variations which make this a riot of color almost unbelievable. All are heavily veined in gold. Pkt., 25c.
4757 **Vaughan's Excelsior Hybrids.** A choice strain with very large flowers with handsome markings on white, buff, rose, blue and purple ground. Pkt., 25c.
4753 **Vaughan's Dwarf "Masterpiece."** This is the best strain in existence. The plants grow dwarf and compact, making them most suitable for pot culture. The flowers vary from light pink to dark violet.. Pkt. (100 seeds), 50c.

4430 PORTULACA Single Mixed. Pkt., **10c.**

Ricinus (Castor Bean) ☐

Culture: A or B, D or E, Page 53

Giant, strong growing plants, with ornamental foliage These plants drive away moles from a garden.

4544 **Borboniensis Arboreus.** 15 ft. Immense plants with green foliage. Pkt., 10c.
4546 **Crimson Spire.** 6 ft. Large purplish leaves changing to bronzy green. Stems, stalks and veins are rich red; seed spikes and seed pods are brilliant rosy crimson. Most showy of all. ½ oz., 30c; pkt. 10c.
4570 **Mixed.** Many sorts. 1 oz., 50c; pkt., 10c.
4560 **Zanzibar Mixed.** 10 to 12 ft. The ornamental leaves, beautifully lobed, are 2½ to 4 ft. across. Each plant a perfect pyramid. Oz., 50c; pkt., 10c.

Periwinkle—See Vinca.

Sanvitalia ☐ 6 in.

Creeping Miniature Zinnia

Culture: A or B, D or E, Page 53

4690 **Procumbens.** Like tiny Zinnias, golden with purple centers, single and double. The plants creep over the soil. June until frost. ⅛ oz., 25c; pkt., 10c.

ANNUALS FOR FRAGRANCE

Alyssum	Matthiola	Scabiosa
Candytuft	Mignonette	Stocks
Carnation	Nicotiana	Wallflower
Heliotrope	Petunia	

2118 **Fragrant Annuals Mixed.** A mixture of the above varieties. Pkt., 25c.
4746 **Annuals for Shade Mixed.** Pkt., 25c.
4747 **Perennials for Shade Mixed.** Pkt., 25c.

New Type Scabiosas

Culture: A or B, D or E, Page 53

Sweet Scabiosas have a soft fragrance and add beauty to the garden picture. They are fast growing annuals and one of the most important for cut flowers. Blooms on long, slender stems, which are exceedingly graceful; known as the Pincushion Flower because the stamens of some varieties are light in color and stick out so that they resemble pins stuck in a cushion.

Super Crown Imperial Giant

4735 Vaughan's Super Crown Imperial Giant Mixed. An entirely new strain of this lovely flower. Larger than older kinds, the globular blossoms, 2½ to 3 inches across, are fully double, entirely eliminating the "pin cushion" center of older types, and displaying the full beauty of their broad, wavy petals. The colors are soft and pleasing, in a complete range from white, salmon, coral, rose and red to various tones of blue. Plants stand 3 feet tall, and the flowers are borne erect on tall stems, making excellent cut flowers, as well as presenting an attractive garden display. Pkt., 25c.

COCKADE TYPE 3 FT.

Has conical form with attractive depth of flower.

4703 Blue Cockade. Pure deep azure. Pkt., 20c.

DOUBLE LARGE FLOWERING 3 FT. SPECIAL STRAIN

4714 Ageratum or Amethyst Blue.
4715 Azure Fairy. Azure blue.
4727 Loveliness. Salmon rose shades.
4729 Peachblossom. Peachblossom pink.
4732 Rosette. Deep rose suffused salmon.
4734 Salmon Beauty. Pure salmon.
4728 Shasta Improved. Enormous white.

Each of above, pkt., 15c; 3 pkts. for 40c.

4737 Vaughan's Mixture of Super-Scabiosa. The above and other charming varieties. ¼ oz., 60c; Pkt., 25c.

DOUBLE SEMI-DWARF VARIETIES

4744 Heavenly Blue. A lovely azure-blue very early. Plants are dwarf, 18 in., bushy, suitable for bedding. Pkt., 25c.

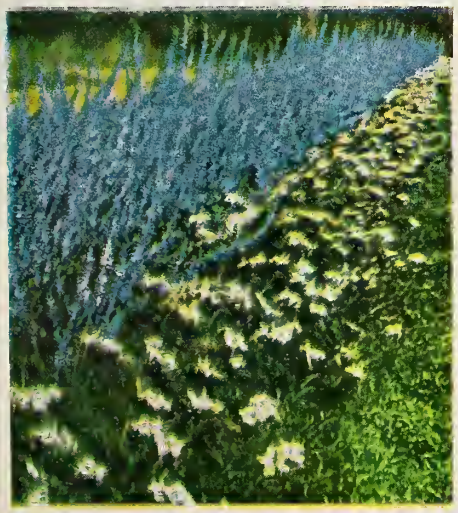
4738 Peace. Flowers are 2 in. across. Perfect form almost spherical; pure white. The sturdy vigorous plants grow 2 ft. tall. Flowers are beautiful in a light blue container. Pkt., 25c

4743 Dwarf Double Mixed. 1½ ft. Various colors. Do not require staking and are desirable for planting in front of the taller sorts. ⅛ oz., 35c; pkt., 10c.

See also Perennial Pages.

4735 **SCABIOSA Super Crown Imperial** Giant Mixed. Pkt., **25c.**

4640 **SALVIA SPLENDENS** America, **Pkt., 25c.**



4683 **SALVIA Farinacea Blue Bedder** (in Background). **Pkt., 20c.**

5770 **VINCA White** (in Foreground). **Pkt., 10c.**

Salvias

Culture. D or E, A or B, Page 53

The brilliant scarlet Salvia Splendens, so highly valued in summer beds, borders, window boxes and as cut flowers, is by no means the only worthy member of this family. The rich Wedgwood blue Salvia Farinacea Blue Bedder is increasingly popular in summer borders.

Splendens Type

4640 America, or Globe of Fire. 16 in. Freest and most continuous bloomer; also the most uniform in habit, which makes it particularly valuable for bedding or ribbon planting. Pkt., 25c.

4646 Blaze of Fire. 12 in. Earliest of all. The compact plants are mounds of brilliant scarlet, starting to bloom when only a few inches tall and continuing in bloom until late fall. Pkt., 25c.

4655 Clara Bedman or Bonfire. 2 ft. The spikes grow erect above the foliage forming handsome globular bushes. ⅛ oz., $1.00; pkt., 25c.

4667 Vaughan's Masterpiece. The finest dwarf extra early flowering variety. Massive scarlet spikes; even compact habit. Pkt., 25c.

4671 Splendens. The well known popular scarlet sage. ⅛ oz., 75c; pkt., 20c.

Other Salvias

Culture: A or B, D or E, Page 53

4683 Farinacea Blue Bedder. 2½-3 ft. A true Wedgwood blue. It makes a splendid background for all other colors in the border, and can be dried as an Everlasting. Is especially handsome when grown behind a line of pink Petunias. Pkt., 20c.

See also Perennial Pages.

Red Runnerless Strawberry

4828 Baron Solemacher. This wonderful novelty has the largest berries in this strain. It makes no runners; flowers in eight weeks and produces quantities of fruit. Wash the berries, sprinkle with sugar several hours before using. The berries will almost float in juice. This brings out the flavor. Pkt., 25c.

4829 Baron Solemacher Yellow Fruited. A counterpart of the above, but golden, and of even finer flavor. Pkt., 25c.

Star Flower from the South

4825 The Southern Star (Oxypetalum Coeruleum). 15 in. Star-shaped blossoms one-inch wide are borne in sprays. An unusual blue of silver-veiled, pastel quality seems to be painted on each petal. The stems arch so that the blue blossoms face upward. Seeds sown in open ground in April produce bloom before end of June, blossoming until end of October. Pkt., 20c.

4731 Scabiosa Blue Moon. 4 ft. Large blossoms of conical shape of sky-blue tinged with lavender, borne on long strong stems, ideal for cutting. Pkt., 15c

5590 **Fragrant Varieties of Sweet Peas Mixed.** A mixture of the starred varieties noted in text. Oz., **65c**; pkt., **25c.**

Early Spencer Sweet Peas

Culture: D or E, Page 53

A RACE of Sweet Peas, having the large waved flowers of the Spencer type but flowering fully one month earlier, and for a much longer period. This class is recommended for all sections where spring is late, as they give flowers before the summer heat arrives. **★Varieties preceded by star are fragrant.**

For better results, Sweet Pea seed should be inoculated with nitrogen before planting. Garden size packet, 10c.

Collection No. 5600. One Packet Each, Sweet Peas, Early Flowering Spencer

Amethyst, Apollo, Treasure Island, Grenadier, Laddie Improved, Mrs. Herbert Hoover, Orange King, Sequoia, Twilight and White Harmony **75c**

Any of the packets below, 10c each; 3 packets for 25c.

5343 **American Beauty.** Crimson-rose on white.
5345 **★Amethyst.** Royal purple.
5346 **Apollo.** Soft salmon cerise.
5353 **Bacchus.** Rich red maroon.
5354 **★Blue Bird.** Violet-blue.
5352 **Boon.** Deep salmon-pink.
5347 **Bridesmaid.** Silvery pink.
5367 **Daphne.** Soft salmon-pink on cream ground.
5411 **★Fragrance.** Large frilled lavender.
5415 **★Gardenia.** Fragrant white.
5416 **★Giant Rose.** Extremely large rose-pink.
5430 **Grenadier.** Dazzling scarlet.
5438 **★Harmony.** Lavender.
5470 **★Laddie Improved.** Light rose-pink.
5495 **★Mrs. Herbert Hoover.** Clear deep blue.
5500 **Orange King.** Glowing orange.
5522 **Redwood.** Bright rich crimson.
5529 **Sequoia.** Rich golden salmon-cerise.
5539 **Snow Queen.** Pure white, black seeded.
5552 **Triumph.** Lovely soft lilac mauve.
5554 **Twilight.** Medium clear lavender, large flowered and long stemmed.
5553 **Treasure Island.** A sparkling golden orange.
5560 **White Champion.** Long stemmed, pure white flowers.
5561 **★White Harmony.**

5595 **Vaughan's Special Mixture, Early Flowering Spencers.** All the varieties listed and many others. 4 oz., $1.50; 2 oz., 90c; oz., 50c; pkt., 15c.

5320 **Vaughan's Special Mixture, Late Spencer.** Named late flowering Spencer, varieties growing wonderful blossoms for a long period. ¼ lb., 60c; oz., 25c; pkt., 15c.

4766 **BEANS** Scarlet Runner Emperor. Pkt., **10c**

4766 *Scarlet Runner Emperor* ☐

Culture: A, D or E, Page 53

Double Purpose Runner Beans

Scarlet Runner beans serve a double purpose—they provide both flowers and food. Some persons do not realize that these beans are good to eat, yet in England they are grown by the acre by market gardeners for their city trade. Pkt. ..... **10c.**

Statice ☐ For Winter Bouquets

Culture: D or E, Page 53

Our annual Statice is not only a beautiful flower in the border, but dries retaining its true colors, and is indispensable in making winter bouquets.

4795 **Russian (Suworowii or Rat Tail).** 30 in. Flowers bright rose color. ⅛ oz., 50c; pkt., 10c.

4806 **New Hybrids.** Art Shades, in a mixture for the garden and winter bouquets. Pkt., 15c.

4806 **STATICE SINUATA,** New Hybrids, **15c.**

Colorful Stocks ☐

Culture. A or B, D or E Page 53

STURDY flower spikes covered with rosette blossoms in soft colors of an exceptional tone range. Stocks require a rich soil of a sandy, well manured loam. Only 60 per cent will come double. Sow seed early in the house and transplant outside when all danger of frost is over. A cool temperature crop.

Bismarck or Giant Imperial

If sufficient room is given, the plants form magnificent bushes with long and thick flower stalks. 2½ ft.

4949 **Bismarck Mixed.** ⅛ oz., 75c; pkt., 15c.

Dwarf Large-Flowering Double Ten Weeks Stock 12 in.

4865 **Best Mixed.** ⅛ oz., 50c; pkt., 10c.

Column—Non-Branching

4952 **Double Giant Column Gardenia.** Shimmering, glistening white, the flowers are the purest snow white of any stock variety. Pkt., 50c.

Cuthbertson, heat resisting, Sweet Peas. See Novelties.

SPENCER SWEET PEAS GIANT RUFFLED.

Distinguished by the unusual duplexness and extra frilliness of the flowers. This gives a double appearance to the large, waved and ruffled flowers which makes them so distinct and so attractive.

Each of the packets below, 10c.

5610 **Ruffled Burpee Blue.** A bright clear shade of deep blue.
5612 **Ruffled Crimson.** Rich satiny crimson, deeper at edges.
5614 **Ruffled Exquisite.** Salmon-cerise.
5616 **Ruffled Fluffy Ruffles.** Cream-pink, waved and frilled.
5618 **Ruffled Rose.** Pure shade of warm rose.
5620 **Ruffled White.** The outstanding white-seeded ruffled white.
5622 **Ruffled Mixed.** The above and many other colors.

4865 **STOCKS,** Dwarf Double Ten Weeks, Best Mixed. Pkt., **10c.**

5706 **ROSEA STELLATA.** Pkt., **15c.** 5718 **LAVENDER GLORY.** Pkt., **15c.** 5701A **ETNA.** Pkt, **15c.** 5697 **VERBENA COLLECTION.** One pkt. each 3 above varieties for **35c.**

Verbenas □

Culture: D or E, A or B, Page 53

These are colorful annuals for some sunny spot in the border. In bloom continuously. They make gay bouquets for table decorations. Do not sow the seed outdoors until the soil gets warm (May 15th to June 1st). May also be started earlier indoors to advantage. Grows only 6 to 12 inches tall but spreads to 2 feet across.

HYBRIDA Gigantea 1 ft.

A magnificent strain of Verbenas, of robust habit, the individual florets measuring an inch in diameter.

5701 Gigantea Alba. Pure white. Very fragrant.
5700 —Annapolis Blue. A giant bearing large trusses of flowers of light to mid-blue blending in effect to deep Belladonna blue.
5701A —Etna. Geranium-red, with a cream eye.
5718 —Lavender Glory. A true lavender with a medium-sized creamy white eye. The color runs about 80% true. It is also distinctly fragrant.
5703 —Lucifer. Vivid scarlet self.
5704 —Luminosa. Luminous flame-pink to salmon.
5706 —Rosea Stellata. Pink, white eye.
5719 —Royale. Royal blue, creamy yellow eye.
5710 —Spectrum Red. Intense bright red.
5717 —Sutton's Giant Pink. Salmon-pink, light eye.
5707 —Violacea Stellata. Deep violet, white eye.

Each of the above, pkt., 15c; any three pkts. for 35c.

5708 Gigantea Mixed. A wonderful mixture of large flowering varieties. Pkt., 15c.
5711 Beauty of Oxford Hybrids. A giant strain. Color rose-pink to rose-red, the brightest produced from seed. Florets cover a silver half dollar. Pkt., 15c.
5713 Royal Bouquet, Finest Mixed. Upright, large flowers, auricula eyed, brilliant mixed, especially good for pot culture. Pkt., 15c.

Various Verbenas

5755 Erinoides. 12 in. Moss-like foliage spreads over the ground like a carpet, purplish-blue blossoms in lavish profusion. Blooms until frost. Pkt., 10c.
8566A Bonariensis. ① 4 ft. A grand perennial that blooms from seed the first year. Sweet scented rosy lavender flowers on long stiff stems. Pkt., 15c.
5750 Lemon-Scented. ÷An old favorite with fragrant evergreen leaves. It is a low-growing tender plant and may be grown in the garden in summer and in pots in winter, and the leaves dried and laid among linens. "This item is difficult to germinate and the best success was achieved by soaking the seed in very hot water, say about 180° Fahr.; and then planting in soil at 90° in a greenhouse." Pkt., 25c.

Dwarf Compact Varieties—6 in.

This group is compact in habit, continuous bloomers adapted for bedding, borders and small gardens.

5748 Blue Sentinel. Rich navy blue. Pkt., 25c.
5740 White. Pkt., 15c.
5747 Danebrog. Flowers intense dark scarlet and a large white eye. Pkt., 15c.
5742 Violet Bouquet. Deep violet, cream eye. 25c
5744 Dwarf Vaughan's Special Mixture. A formula mixture of dwarf compact varieties of all colors, giving a brilliant effect in mass planting. Excellent for front yard and formal plantings. Pkt., 25c.

5730 VERBENA Vaughan's Best Mixture. Includes all the Hybrida and Gigantea sorts and other sorts not listed and we feel perfectly safe in stating this mixture of Verbenas will eclipse every other strain offered by any other house, and it will produce flowers that will delight all beholders throughout the summer. ⅛ oz., 50c; large pkt., 25c; pkt. **15c**

Hardy Violas □

Culture: A or B, Page 53

BECAUSE of their free flowering habit and long season of bloom, Violas are becoming rapidly more popular for use in the foreground of the border, in small beds, and in rockeries, where their dwarf spreading habit is welcomed. They continue flowering all summer.

CORNUTA TYPE

5785 Admiration. Violet-blue. Pkt., 15c.
5790 Blue Perfection. Light blue. Pkt., 15c.
5789A Blue Beauty. Bright blue. Pkt., 15c.
5804 Chantreyland. Apricot. Pkt., 25c.
5802A King Henry (Purple King). A deep purple violet with yellow eye. Pkt., 25c.
5796 Jersey Gem. Flowers of rich pure violet, large, fragrant, flowering all summer. Pkt., 25c.
5792 Puck. Upper petals purple-velvet, lower clear yellow. Pkt., 25c.
5806 White Perfection. Finest. white. Pkt., 15c
5795 Nosegay. A blend of bright gay colors, red yellow, blue and apricot, combined with many blotched combinations. Pkt., 25c.

CORNUTA HYBRIDA (Large Flowers)

5787 Arkwright Ruby. Bright ruby crimson shaded terra-cotta; fragrant. Pkt., 25c.
5790A Chinese Blue. A round-faced type. According to the Royal Horticultural Chart, is French Blue. It is the nearest substitute to the famous Viola Maggie Mott. Pkt., 25c.

VIOLA CORNUTA. 5805 Yellow Gem. Pkt., **20c.** 5790 Blue Perfection. Pkt., **15c.** 5806 White Perfection. Pkt., **15c.** 5814 Collection 1 pkt. each of 3 above Violas, **40c.**

5813 VIOLA Vaughan's Special Mixture. A charming and delightful mixture of these bright and everblooming Violas in a complete color range, shading from pale lavender to rich purple-black, yellow, white, terra-cotta, apricot and rose. Pkt. **25c**

Miscellaneous Violas

5788A Blue Elf. The upper petals are deep violet blue, lower petals light violet blue with gold eye and black lines radiating from center. Flowers ¾ in. in diameter, small dark green foliage. Pkt., 25c.
5797 Johnny-Jump-Up or Viola Tricolor. Also known as "Ladies' Delight" and "None so Pretty." They are more hardy than and if allowed to seed will carpet a Rose or Iris bed with a mass of flowers early in May. They bloom all season. Purple, blue and yellow are the three colors that give them their name. Pkt., 25c.
5791 Helen Mount. 8 in. Narrow, bushy foliage. Very free blooming. Two upper petals rich violet, two smaller lower petals are lavender and the lower petal is canary yellow with black lines radiating from the eye. Planted indoors in early spring, about three months would bring the plants into full bloom. Pkt., 25c.
5798 Lutea Splendens. 8 in. Bright yellow. **10c.**
5811A Nigra or Black Imp. Quaint little flowers that might have been snipped from black velvet, come true from seed. May be naturalized effectively. Blooms quickly first year from seed. Pkt., 25c.
5805 Yellow Gem. Free flowering clear yellow of compact habit. Pkt., 20c.

Vinca Rosea (Periwinkle) □

Culture: D or E, Page 53

Culture. Sow seed after last frost in open ground and thin to 1 foot apart or sow inside and transplant after all danger of frost is over.

5775 Mixed. Pkt., 10c.

Wallflower ÷18 in.

Culture: D or E, Page 53

Wallflowers excel in fragrance and rich reds and yellows. In the North winter in cold frames.

5835 Single Annual Mixed. Pkt., 10c.

Xeranthemum (Everlasting) □

Culture: D or E, Page 53

5852 Pompon Daisy. 2 ft. One of the loveliest of everlastings, with flowers which retain their brilliant colors remarkably well when dried, this double pompon flowered Xeranthemum may also be used as a cut flower when fresh. Pkt., 20c.

5641 TIGRIDIA Mixed. (Shell flower of Mexico). Few flowers are more gorgeously colored or more beautiful. "Beauty for a day" is another name for it. Sends up leafy stalks which bear strikingly beautiful flowers in succession. Treat as a Gladiolus in the north. Pkt., 25c.

Torenia (Wishbone Flower) ☐

Culture: D or E, A or B, Page 53

5645 **Fournieri.** Bushy globular plants literally covered with the lovely, richly-colored Snapdragon-like flowers of a delightful sky-blue, with a touch of gold on the lip. Pkt., 15c.

Annual Sunflowers

HELIANTHUS Large Flowered ☐

Culture: A or B, D or E, Page 53

2700 **Gaillardia-flowered or Red Sunflower.** 4 to 8 ft. Some flowers of a rich chestnut-red, others tipped with yellow. Pkt., 10c.

2710 **Gerbera Toned.** Soft pastels, rose, apricot, coral and chestnut shades. Pkt., 15c.

2713 **Sun Gold.** 4 ft. This sunflower makes a brilliant sea of color as all the plants burst into bloom on the same day. May planting will flower in early August. Blooms are all double. Pkt., 15c.

2725 **Russian Mammoth.** 8 ft. Single, of gigantic dimensions. The Kansas Sunflower. Lb., 40c; ½ lb., 30c; ¼ lb., 20c; 1 oz., 10c.

2760 **Vaughan's Special Mixture.** Of all the single and double Sunflowers we list and several varieties we buy especially for this mixture. ½ oz., 25c; pkt., 10c.

5635 TAHOKA Daisy. Pkt., 25c.

Tahoka Daisy ☐ 20 in.

Culture: A or B, D or E, Page 53

5635 A beautiful lavender-blue Daisy with fern-like foliage. Carried on good long stems, the flowers are tinted with rose as they fade, center deep yellow. Under open ground culture the plants are in bloom by middle of June and flower until October. Excellent for cutting. To get an even and quick germination, keep seed in refrigerator two weeks. Pkt., 25c.

Golden Flower of the Incas ☐

Culture: D or E, Page 53

5642 **Tithonia Avalon Earliest.** 5 ft. Blossoms from orange topaz through tangerine. Sow where the plants are to stand, after the soil is warm. Blooms mid-July. Pkt., 25c.

Decorative Zinnias ☐

6173 **Vaughan's Novelty Mixture.** All the new types of Zinnias such as Fantasy, Navajo, Striped and others, which are rich in color combinations and unusual forms of high decorative value, which make them valuable for cut flowers. All have small or medium flowers and are suitable for low bowl arrangements. They also give excellent border effect in the garden. Pkt., 25c; 3 pkts., 65c.

Culture: A or B, D or E, Page 53

THEY bloom in much greater profusion than the larger types, standing well out above the foliage and registering as a color mass in the picture. They are also excellent for pot plants and cut flowers.

Midget Zinnias

6126 **Vaughan's Mixture of Midget Zinnias.** Includes more than fifteen varieties, all delightful, charming in the garden and of just the size to make attractive table arrangements. Many of your friends will never recognize them as Zinnias. ⅛ oz., 50c; pkt., 15c.

Cut-and-Come Again

PUMILA DOUBLE

These bushy plants with their wealth of bloom are showy garden subjects as edgings or in mass plantings. The more they are cut, the more they bloom.

6080 **Snow Ball.** 6095 **Fire Ball.**
6097 **Pinkie.** Rose-pink. 6085 **Golden Ball.**
6098 **Spun Gold.** A delicate butter-yellow or deep primrose, fine form.
6100 **Watermelon Pink.** A very pleasing and charming shade of salmon-rose.

Each of the above, pkt., 10c; 3 pkts. for 25c.

6105 **Pumila Vaughan's Special Mixed.** Oz., $1.25; ¼ oz., 35c; pkt., 15c.

6099 **Sunshine Tints.** New rich pastel shades. Fine for cutting or for borders. Flowers average 2 in. across and plants are about 18 in. tall. Pkt., 15c.

Cupid Type. The smallest of all. 1 ft.

Compact plants of bushy habit. Each upright stem bears a flower 1 in in diameter. Ideal for cutting and for use in miniature vases.

6025 **Cupid Mixed.** ⅛ oz., 35c; pkt., 10c.

Fantasy Type

2½ ft. shaggy, ray-like petals, like Cactus Dahlia.

5912 **Orange Lady.** Bright deep orange.
5911 **Rosalie.** Intense rose.
5909 **Star Dust.** Deep golden yellow.
5913 **White Light.** Pure white.
5914 **Wildfire.** Rich dazzling scarlet.

Each of the above, pkt., 15c; 2 pkts. for 25c.

5908 **Mixed.** A bright colorful mixture of shaggy petaled double flowers. ¼ oz., 60c; pkt., 15c.

Scabiosa Flowered

6159 **Mixed.** 2½ ft. on a single corona of outside petals stands a crown of small florets similar in form to the flowers of the Scabiosa. Only a certain percent will be true to name. ¼ oz., 60c; pkt., 15c.; 3 pkts., 40c.

Midget Strains

6127 **Linearis.** 10 in. The flowers, with a single row of petals, are one and one-fourth inches in diameter. Early flowering. Pkt., 15c.

6172 **Navajo Mixed.** 18 in. Flowers abundant, of medium size, scarlet, orange and other hues suggesting Navajo Indian decorations. Pkt., 15c.

Lilliput Zinnias

The plants form handsome little bushes and fairly bristle with tiny, short-stemmed, very double flowers They bloom all summer 12 to 15 in.

6071 **Black Ruby.** Rich deep maroon.
6052 **Bright Pink.** 6064 **Purple.**
6073 **Canary Yellow.** 6065 **Salmon Rose Gem.**
6061 **Crimson Gem.** 6066 **Scarlet Gem.**
6053 **Dainty Gem.** The gay, colorful and intriguing little bicolor rose flowers will add to the garden picture and supply attractive bouquets for home decoration. Pkt., 25c.
6062 **Golden Orange.** 6067 **White Gem.**
6068 **Rose Bud.** Rose-pink
6069 **Valencia.** A real deep burnt orange.

Each of above, except Dainty Gem, pkt., 10c; any 3 pkts., 25c

6075 **Lilliput Vaughan's Special Mixed.** All above and others. Oz., $1 50; ¼ oz., 50c pkt. 15c.

6070 **Lilliput Pastel Mixture.** 15 in. A carefully chosen mixture of pastel tints of yellow pink, rose and orchid They flower in 45 days Pkt., 15c

6050 **Tom Thumb Mixture.** See Novelties.

A Favorite Border Plant

6110 **Red Riding Hood.** 1 ft. Of compact form, covered the entire season with double scarlet flowers not over an inch across; as a border plant it is highly effective. Oz., $1.50; ¼ oz., 50c; ⅛ oz., 30c; pkt., 10c.

5909 ZINNIA Fantasy Star Dust. Pkt., 15c.

6075 **ZINNIA** Lilliput, Vaughan's Special Mixed. Pkt., **15c.**

Dahlia Type Zinnias

6171 6 PACKETS, CATALOG VALUE 90c.
One each of Crimson Monarch, Polar Bear, Illumination, Oriole, Royal Purple and Eldorado prepaid. *50c*

Zinnia seed should not be sown until the ground is warm. If grown in a sunny spot in fertilized soil and watered freely, flowers will be more completely double.

Giant Dahlia Flowered Zinnias 2 to 3 ft.

The broad petals are closely imbricated, sometimes seeming almost to be piled one upon the other; the flowers often 4 inches in depth and 6 inches in diameter.

6131 **Canary Bird.** Rich canary yellow.
6133 **Crimson Monarch.** Rich crimson, largest and best of red shades.
6134 **Dream.** A fine, deep rosy lavender. 6134A **Eldorado.** Salmon apricot.
6135 **Exquisite.** Color light rose with center a deep rose.
6137 **Golden Dawn.** Beautiful shade of golden-yellow.
6136 **Golden State.** A very rich golden-orange. Yellow in the bud, turning to an attractive orange when in full bloom.

6134A **ZINNIA** Giant Dahlia Flowered Eldorado. Pkt., **15c.**

6133 **ZINNIA** Crimson Monarch. Pkt., **15c.**

6130 **Illumination.** A striking self-color of deep rose.
6130A **Luminosa.** Bright pink.
6142 **Meteor.** A rich glowing deep red, darkest of all red shades.
6138 **Oriole.** An immense orange and gold bicolor.
6139 **Polar Bear.** A very large pure white, the best white.
6143 **Royal Purple.** A deep rich reddish purple.
6141 **Scarlet Flame.** Bright scarlet.
6143A **Will Rogers.** Most beautiful scarlet red.
Each of above.....Any four pkts., 50c; pkt., 15c.

6145 **Giant Dahlia Flowered, Gold Medal Mixed.** All the above and others, including a bewildering variety of delightful colors, all giant flowers. Seeds germinate quickly in warm soil and flowers begin in a few weeks. A mass planting not only decorates the border, but the home as well. Oz., $1.50; ¼ oz., 50c; pkt..... **15c.**

5893 **Zinnia Vaughan's Special Mixture of all Types.** This is intended for the cutting garden, and includes all colors and types of Zinnias, large and small flowered, as well as Gaillardia flowered. Fantasy and other novelty strains. Most interesting combinations of form and color can be made in bowls and vases with flowers cut from a row of this mixture. Pkt., 25c.

ZINNIAS California Giants

6163 Miss Wilmott. Pkt., **15c.**
6161A Daffodil. Pkt., **15c.**
6166 Rose Queen. Pkt., **15c.**

California Giants

They are larger than Colossal and a cross between them and the Dahlia Flowered types. They have smaller flat centers with more loosely placed petals. The petals are decidedly imbricated and the flower graceful. Grow 3 to 4 ft. tall.

6161 **Brightness.** A bright, deep rose.
6164 **Cherry Queen.** Brilliant cherry rose.
6162A **Crimson Queen.** Rich crimson.
6161A **Daffodil.** Canary yellow.
6162 **Enchantress.** Light rose, deep rose center.
6169 **Golden Queen.** Golden yellow.
6146 **Grenadier.** Bright dark red.
6168 **Isabellina.** Cream yellow.
6147 **Lavender Gem.** Deep rosy lavender
6163 **Miss Wilmott.** Soft pink.
6151 **Orange King.** Orange scarlet.
6153 **Purity.** A clean pure white.
6166 **Rose Queen.** Warm, deep rose.
6154 **Salmon Queen.** Deep salmon apricot.
6165 **Scarlet Queen.** Glowing scarlet.
6149 **Violet Queen.** Deep purple.

Each of the above, pkt., 15c; any 4 pkts. for 50c.

ALL THE ABOVE AND OTHERS IN MIXTURE.

6156 **California Giants, Vaughan's Special Mixture.** This is specially blended from a prepared formula to insure well balanced color harmony, and will make a gorgeous display in mass planting; in the cutting garden it insures an all-summer supply of flowers for bouquets. Oz., $1.50; ¼ oz., 50c; pkt., 15c.

5891 **ZINNIA** David Burpee, Pkt., **15c.**

Giants of New Race

5891 **Zinnia David Burpee.** 4 ft. This is a distinct strain of giant flowers, which is full of surprises, all of a pleasant nature. While giant flowers of the shaggy Fantasy type are most numerous, other forms are frequent; and colors include cream, chamois, buff, rose, burnt-orange, terra cotta, apricot and some two-toned. All are interesting, some exciting; a "surprise garden mixture" all by itself. Plants grow vigorously and flowers have long, wiry stems. Pkt., 15c.

5895 **Super Giants, Vaughan's Special Mixture.** A new strain remarkable not only for its great size, but for many colors not found elsewhere. Petals are fringed, some picoteed, with many two-toned combinations. Pkt., 25c.

5901 **Super Crown of Gold Pastel Tints.** Strictly a mixture of pastel tints and contains a wide color range including soft yellow, old gold, light pink, apricot pink, various salmon shades, peach, and buff, lively cerise salmon as well as pure white and cream. All the flowers carry the deep golden yellow base of the Crown of Gold types and the individual color at the tip. Midway between Dahlia Flowered and California Giants as to type. Pkt., 25c

All Giant Zinnia Mixture

6170 **Vaughan's Special Mixture of All Giant Sorts.** This includes all giant varieties listed on this page and many others. All colors are represented. Planted in a mass, it will produce a display of vivid colors; in the cutting garden it will provide cut flowers of giant size and a full range of colors from July until killing frosts come in the fall. Oz., $2.00; ¼ oz., 60c; pkt. **25c**

Mixture of Autumn Colors

6157 **Indian Summer Mixture.** This includes the warm bright colors of both Dahlia Flowered and California Giant Zinnia groups—the red, orange and bright yellow varieties in which the zinnia is rich. Pkt., 15c.

PERENNIALS

7073 × **ANCHUSA** Myosotidiflora. Pkt., **35c.**

Anchusa (African Forget-Me-Not) ①

Culture: B, D or E Page 53

Anchusas provide some of the few really blue flowers They do best in a deep, well drained soil, in a sunny position. All are excellent bee plants.

7070 Italica, Dropmore Variety. 5 ft. June-July. Gentian flowers. Pkt., 15c. **Plants** each 60c; 3 for $1.50; doz., $4.75.

7069 —Lissadell. 6 ft. Large, Gentian-blue. **25c.**

7071 —Feltham Pride. Bright blue. Pkt., 25c.

7073 × Myosotidiflora. 1 ft. April-May. Blossoms with the late Tulips, forming a mound of attractive foliage almost hidden by pale blue Forget-Me-Not blossoms. Germination is slow. Pkt , 35c.

7150 **AQUILEGIA** Mrs. Scott Elliott's Strain Long-Spurred Hybrids. Pkt., **25c. Plants,** each, **50c.;** 3 for **$1.25;** doz., **$4.25.**

Columbines ①

Culture: B. C, D or E, Page 53

ONE of the best-known and best-loved perennials. Dwarf varieties for the rock garden, tall varieties for the border and for cutting. They are easily grown from seed, prefer light shade, and thrive in any fairly rich soil. These plants covered with dancing, quivering blossoms, add grace and airiness to any garden.

7151 Dobbie's Imperial Hybrids. A strain with large, long-spurred flowers in strong, brilliant tones of all colors. Pkt., 25c.

7150 Mrs. Scott Elliott's Strain of Long-Spurred Hybrids. The blooms are of large size and the spurs very long. The colors range through shades of lavenders, mauves, blues, purples, whites, creams, yellows, pinks, reds, etc., with soft pastel tones dominating. Pkt., 25c. **Plants,** ea., 50c; 3 for $1.25; doz., $4.25.

7119 × Alpina. Powder blue. 2 ft. April-July. Pkt , 15c.

Add Postage for Plant Orders

All Plants Shipped Direct from Kalamazoo, Mich.

Prices on this page do not include postage. For 12 plants or less include in your remittance postage in the following amounts: Single plants, 12c; 3 plants 16c; 6 plants, 20c; 12 plants, 25c. Shipments larger than 12 plants will be made by express collect, unless otherwise instructed.

Check your order carefully before mailing. It is almost impossible to make changes on orders after they have been placed in process of filling.

Plants by Express

We recommend this mode of transit where quantities are 12 plants or over. We pack carefully.

No C. O. D. Shipments

7156 **COLUMBINE** Long-Spurred Crimson Star Hybrids. Pkt., **25c. Plants,** each, **60c.;** 3 for **$1.50;** doz., **$4.75.**

7156 Long-Spurred Crimson Star Hybrids. The brightest red Columbine, long spurs and outer petals rich crimson, center petals white; about 10% will be other interesting bicolors. Three-inch flowers on 2-foot stems. Pkt., 25c. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

7158 Long-Spurred Blue. Splendid selection from light to dark blue. Pkt., 35c.

7157 Long-Spurred Copper Queen. Lovely deep copper with long spurs of deeper hue. Pkt.,50c.

7159 Long-Spurred Orange and Scarlet. 35c.

7190 Aquilegia Vaughan's Special Mixture. A complete collection including the long-spurred, and the non-spurred types, the tall and dwarf sorts. Pkt., 25c.

7125 Chrysantha. 3 to 4 ft. May-August. Yellow, long spurred. Pkt., 15c.

7126 —Silver Queen. 3 ft. Long-spurred silvery white flowers. Pkt., 25c.

7131 Clematiflora Mixed. Spurless Columbine with beautiful open flowers like Clematis. Contains all lovely pastel shades. Pkt., 25c.

7140 Coerulea (Rocky Mountain Columbine). 1 to 2 ft. April-July. One of the most beautiful of native flowers. Sepals, deep blue; petals, white. Pkt., 10c.

7141 Coerulea Mrs. Nicholls. This is a glorified Rocky Mountain with larger flowers. Pkt., 50c.

7145 —Rosea (Rose Queen). 2½ ft. Light to dark rose, white center. Pkt , 25c.

7132 Blue Heaven. This variant of the Rocky Mountain Columbine, is of a lovely deep lavender throughout, but has completely lost its spurs. It resembles a double large flowered Clematis. It requires drainage and its color is loveliest in semi-shade. Pkt., $1.00.

7143 Longissima. A beautiful American species having 4 inch spurs on flowers of a delicate pale yellow. One of the most attractive. Pkt., 50c.

7144 Longissima Hybrids. A new race obtained by crossing Mrs. Scott Elliott's with Longissima. All the beautiful hues, in red, blue, white, rose, etc , of the former, long spurs and broader petals. They are hardier and more lasting. Pkt., 50c.

7401 **CARNATION** Grenadin Mixed. Pkt., **25c. Plants,** Each, **50c;** 3 for **$1.25;** Doz., **$4.25.**

Garden Carnations ①

Culture: B, D or E, Page 53

GRENADIN

A valuable bedding variety with double flowers, blooming first year from seed if sown early. 20 in.

Soon after they are through blooming the tops should be cut. The Grenadin type will branch and will carry on through another year. If this operation is not done, in most cases the Grenadin type is only a biennial.

7390 King of the Blacks. Darkest red, very fine. Pkt., 25c.

7398 Golden Sun. Early flowering, very double, large clear yellow flowers. Pkt., 35c.

7395 Red. Pkt., 25c. **7400 White.** Pkt. 25c.

7385 Triumph Rose. Pkt., 25c.

7399 White Gold. Soft yellow Pkt., 25c.

7401 Mixed. Pkt., 25c. **Plants,** each, 50c; 3 for $1.25; doz., $4.25.

7396 Dwarf Bright Scarlet. ① 14 in. Double flowers of rich intense scarlet exceedingly showy. Blooms from seed first year if sown early. Pkt , 25c.

CARNATION Crimson King. **Plants,** each, **60c;** 3 for **$1.50;** doz., **$4.75.**

Crimson King. 2 ft. Closely resembling a greenhouse Carnation in size and habit of growth. Large, fragrant, bright crimson blooms of velvety appearance borne in profusion in June and continuing until frost. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

VIENNA DWARF

They grow evenly about 14 inches tall, are extra double and very large-flowering. The color display is magnificent. Flower at least 14 days earlier than others.

7415 × Mixed. Pkt., 25c.

Hardy Delphiniums ①

Culture: B, D or E, Page 53

Modern hybrid Delphiniums have become the dominant flowers in the perennial border of late June. In deep, rich soil, they grow six feet tall or more, with huge spikes of large flowers. Lower growing types are also valuable for both border and cut flower use; the Chinese and Butterfly types are fine for bedding.

NOTE—A teaspoonful of sugar in the water will delay shattering of cut Delphiniums two or three days. To aid the Delphinium plants to live relatively long is to see that the plants are well watered after blooming.

Pacific Giant Hybrids

Illustrated on the left.
1 BLUE JAY 3 GALAHAD
2 GUINEVERE 4 SUMMER SKIES
5 KING ARTHUR,

7566 Mixture of the Five Varieties above. Pkt. about 200 seeds $1.00; pkt. about 100 seeds 50c. **Strong 1-yr. plants of Blue Jay, Galahad, Guinevere, King Arthur, Summer Skies. Each, 75c; 3 for $1.95; doz. $5.75.**

Collection No. 51, one plant each of 5 varieties above, $3.25.

This strain produces plants that are 60 to 65 percent mildew resistant. The flowers are of immense size, tightly set on straight stems that are strong and whippy. The flowers **do not shatter.**

7559B Blue Bird. A clear medium blue with white bee with high tall spikes. Pkt., about 200 seeds $1.00, pkt. about 100 seeds 50c.

7563 Black Knight. Large flowers of varying dark violet shade. Pkt., about 200 seeds, $1.00; pkt., about 100 seeds, 50c.

7559A Blue Jay. From medium to dark blue with dark bee. Pkt., about 200 seeds, $1.00; pkt., about 100 seeds, 50c. **Plants**, each 75c; 3 for $1.95; doz., $5.75.

7563A Cameliard Series. This is a pure lavender self with white bee. Pkt., about 200 seeds, $1.00; pkt., about 100 seeds, 50c.

7560 Galahad. Clear white, highly mildew resistant. Pkt., 200 seeds, $1.00; pkt., 100 seeds, 50c. **Plants**, each 75c; 3 for $1.95; doz., $5.75.

7561 King Arthur. Royal violet, large white bee. Pkt., 200 seeds, 75c; pkt., 100 seeds, 40c. **Plants**, each 75c; 3 for $1.95; doz., $5.75.

7565 Percival. The large glistening white flowers with strongly contrasting black bees are beautifully spaced on long tapering spikes. Very vigorous and free growing habit. Pkt., (100 seeds), 75c.

7561A Guinevere. Light pink lavender with white bee. Pkt., about 200 seeds, 75c., pkt., about 100 seeds, 40c. **Plants**, each 75c; 3 for $1.95; doz., $5.75.

7562 Summer Skies. Light blue with white bee. Pkt., 200 seeds, 75c; pkt., 100 seeds, 40c. **Plants**, each 75c; 3 for $1.95; doz., $5.75.

7562A Clear White. Of glistening texture. Pkt., about 200 seeds, 75c; pkt., about 100 seeds, 40c.

7559 Round Table Series. As the name implies this represents all of the color combinations of the above Knights and their Ladies. Pkt., about 200 seeds, 75c; pkt., about 100 seeds, 40c.

STANDARD COLORS OF PACIFIC GIANTS

7556 Dark Blue Shades. Pkt., 50c.

7557 Light Blue Shades. Pkt., 50c.

7558 Lavender Pastel. Color range from lavender, generally of two tone combinations, brown or black bees. Pkt., 50c.

7558A Mixed. The three varieties of the above standard sorts. Pkt., 50c.

7569 Wrexham Hollyhock-Flowered Strain, Mixed. Giant-flowered strain of superior quality. Flowers in blue, white and pink combinations, many of them bicolor 1½ to 2 inches in diameter, many double.

Mixed Color Seed, Pkt., 50c. PLANTS, each, 50c; 3 for $1.25; doz., $4.25.

Other Hybrids

7550 Belladonna Improved Cliveden Beauty. 2 ft. June-July. Exquisite turquoise blue. Pkt., 20c. **Plants**, each, 50c; 3 for $1.25; doz., $4.25.

7552 Bellamosum Improved. Large deep blue flowers, uniform in color, with a white bee. Blooms 2½ inches across. Pkt., 25c. **Plants**, each 50c.; 3 for $1.25; doz. $4.25.

7564 Blackmore and Langdon Strain. A famous English strain. All the clear shades of blue, with bees of contrasting colors. Pkt., 35c.

7547 Cardinale. "Scarlet Larkspur," a native California species with long spikes of scarlet flowers; seed germinates slowly. 2-3 ft. Pkt., 25c.

7523 Chinese Blue Mirror. See Novelty Pages.

7571 DELPHINIUM Vaughan's Special Mixture. This contains the Elatum varieties, both double and single, the Butterfly, Chinese and all the other various kinds. Pkt., 35c.

Coreopsis ①

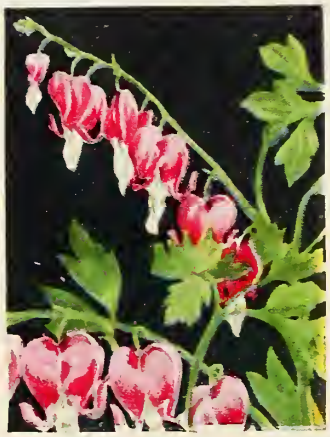
Culture: B, D or E, Page 53

A useful and attractive perennial, both for border and cut flowers. They are of easy culture, and flower in profusion throughout the summer.

7493 Double Sunburst. The flowers are double, 1½ to 2 inches across, excellent for cutting, as the flowers are fine keepers and the plants easy to grow. Comes about 80% double. Pkt., 25c. **Plants**, each, 50c; 3 for $1.25; doz., $4.25.

7495 Lanceolata Grandiflora. 2 ft. June-October. Large orange-yellow flowers on long graceful stems. Will flower the first year if sown early. Pkt., 10c.

7494 Mayfield Giants. It produces a taller and more vigorous plant with longer and firmer stems and larger individual blooms. Pkt. 20c.



Dicentra (Dielytra) ①

(Bleeding Heart or Seal Flower)

Culture: B or C, Page 53

7718 Eximia (Plumy Bleeding Heart). Dwarf, reddish purple. May and June. 12 in. Seed germinates slowly. Pkt., 25c.

Spectabilis. Its long racemes of graceful heart-shaped pink flowers are always attractive. Is perfectly at home in any part of the hardy border, especially in the shade. **Plants**, each, $1.00; 3 for $2.65; doz. $7.25.

7775 **DIGITALIS** Vaughan's Special Mixture. Pkt., **15c.**

7625 **DIANTHUS** Plumarius Vaughan's Special Mixed. Pkt,. **25c. Plants, 45c;** 3 for **$1.15;** Doz., **$3.75.**

7715 **SWEET WILLIAM** Vaughan's Special Mixture of all listed and others. Pkt., **25c.**

Digitalis (Foxgloves) ①

Culture: B, D or E, Page 53

These are biennials and should be sown very early in the spring so plants will be large enough to flower the following year. They should be wintered in a cold frame where sub-zero temperatures are common and always in a well drained place, as their crowns remain green all winter.

7745 Gloxiniaeflora Mixed Colors. Pkt., 10c.

7768 —The Shirley Hybrids. 6 to 7 ft. The flower-heads are over 3 ft. long, covered with big bell-shaped blossoms from white and shell-pink to deepest rose. Pkt., 25c. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

7750 Grandiflora or Ambigua. 2 to 3 ft. June-July. Yellowish flowers marked with brown. A true perennial. Pkt., 10c.

7769 Lutzii Hybrida. 4 ft. The spikes are strong and heavily laden with salmon-rose bells. Pkt., 20c.

7749 Princess Pastel Mixture. 4 ft. Here is really a new flower for your garden—a Foxglove in distinctly new pastel tints of pink, apricot, buff, rose and heliotrope. Pkt., 15c.

7775 Vaughan's Special Mixture of Digitalis. The above, and other colors. Pkt., 15c.

Dianthus Barbatus ①

Single Sweet William 18-24 in.

Culture: B, D or E, Page 53

In June, when summer flowers are not yet in bloom and there is little in the garden available for cut flowers, the Sweet William is the most welcome.

7670 Atro-Sanguineus. Blood-red. Pkt., 10c.

7659 Homeland. Dark red with large sharply defined, clear white center. Pkt., 35c.

7660 Newport Pink. Salmon-pink. Pkt., 10c **Plants,** each 50c; 3 for $1.25; doz., $4.25.

7635 Scarlet Beauty. Vivid orange or salmon scarlet. Pkt., 15c.

7685 Single Giant-Flowered Mixed. Pkt., 10c.

Double Varieties

Seedings of all double Sweet William produce about 40% of single blooming plants.

7710 Giant Double Mixed. The plants are of robust bushy habit, producing numerous stems surmounted by immense umbels of full double flowers many over one inch in diameter The colors are extremely varied. Pkt., 20c.

2232 Double Annual Mixed. A brilliant blend of colors, fine for bedding or cutting Blooms first year from seed; plants live over winter. Pkt., 25c.

7715 Vaughan's Special Mixture of Sweet William of all listed and others Pkt., 25c. **Plants,** each, 45c; 3 for $1 15; doz., $4 00.

EVERBLOOMING SWEET WILLIAM

7578 Latifolius Atrococcineus Flora Plena. A beautiful summer blooming variety as it bears brilliant fiery crimson blooms all through the season. Very hardy and a sturdy grower. Pkt., 15c. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

7688 Midget Single Mixed. 3-4 in. Alpine Sweet William, uniform habit. The color range is from white, chamois, salmon, scarlet, brick red to maroon, with most blooms tri-colored. Pkt., 25c.

7711 Midget Double Dwarf Mixed. An attractive double form of the above, 3 to 4 in. tall in a bewildering color range. Pkt., 15c.

Hardy Pinks (Dianthus)

Culture: B, D or E, Page 53

In the rockery and in the border the Dianthus family is of value. Most of them grow easily from seed, thrive in ordinary soil which must contain some lime, and should be in a well-drained situation.

7576 × Allwoodi Alpinus. 6 in. Flower first year from seed. It has single and semi-double flowers in all Dianthus colors. A gem for rock gardens. Pkt., 50c.

7575 Allwoodi Mixed. The flowers are about 75 per cent double and all colors except yellow. The single flowers have the advantage of making large clusters. It is exceptionally hardy and flowers from early spring until fall. Pkt., 25c.

7580 × Caesius (Cliff Pink). 1 ft. Flowers delicate rose pink, fragrant. Pkt., 25c.

7580A Delight. Beautiful single flowers, 1 in. or more across, in a bewildering range of colors from lightest pink through salmon, red to deepest purple, many eyed like a Sweet William, while others have a definite contrasting light or dark center. Pkt., 25c.

7582 × Deltoides Brilliant (Maiden Pink). 8 in. Delicate pink blossom feathery foliage. Pkt., 25c.

7581 Knappii. A yellow "HardyPink", unusual color for this family. Clusters of clear golden yellow flowers above grassy green foliage. Pkt., 25c.

7631 Loveliness. The flowers have large laciniated petals of a most exquisite mauve-pink, with delightful fragrance. Pkt. 25c.

7587 Best Rock Garden Varieties Mixed. Rock gardens need the low growing Dianthus to brighten spots and fill in crevices Pkt., 25c.

7592 Winteri. The flowers are of pure colors; habit compact; flowers first year from seed; deliciously scented. Pkt., 50c.

PLUMARIUS (Clove or Grass Pinks)

Plumarius is the old-fashioned, fragrant garden Pink. Fine for perennial border or rockwork.

7605 Dwarf Early Flowering Mixed. A colorful mixture, fine for Rock gardens. 1 ft. Pkt., 25c.

7585 Highland Hybrids. Tall, strong stemmed pinks in varied colors, beautifully marked and zoned. Pkt., 35c.

7590 × Cyclops Red Hybrids (Clove Pink). 1 ft. An exquisite mixture of rose and red varieties; fragrant. Pkt., 15c.

7620 × Semperflorens Double Mixed. Fine for cutting. Pkt., 15c.

7632 Scoticus Double Special Strain. Self colors of pink, rose, salmon and white and the same in combination with a bright crimson zone. Blooms 1½ to 2 inches. Free flowering. Pkt., 35c.

7609 × Spring Beauty. Double giant-flowered Grass Pinks, Carnation-like in form and size and with a beautiful range of color. Very fragrant. Pkt., 25c. **Plants,** each 50c; 3 for $1.25; doz., $4.25.

7615 × Single Mixed. Delicately fringed. Pkt., 10c

7625 × Vaughan's Special Mixture. A grand selection of Clove Pinks of the above Plumarius type and others. Pkt., 25c. **Plants,** each, 45c; 3 for $1.15; doz., $3.75.

7464 **GIANT DOUBLE G. MARCONI,** Re-selected. Pkt., **50c. Plants,** Each, **60c;** 3 for **$1.50;** Doz., **$4.75.**

Shasta Daisies ①

Culture: B, D or E, Page 53

The name Shasta is now applied not to a single variety but to a class of hardy Daisies, bearing giant flowers, all splendid border subjects and easily grown from seed.

7500 Alaska. 2-2½ feet. Splendid for cutting. Pkt., 10c. **Plants,** ea., 50c.; 3 for $1.25; doz., $4.25.

7464 Shasta Daisy G. Marconi Re-selected. The largest Shasta Daisy today, the flowers are around 7 inches in diameter and stems 2½ to 3 ft. long. Pkt., 50c. **Plants,** each, 60c.; 3 for $1.50; doz., $4.75.

7504 Giant Double Shasta Daisy. While first year flowers of this perennial have many singles, in the second year they are almost 100% double, with flowers up to 6 inches, and a long season. Pkt., 35c.

7462 Maximum Conqueror. June. 2½ ft. Large, pure white flowers, five inches in diameter, on long stiff stems, in profusion. Pkt., 15c.

7460 Maximum King Edward VII. 2½ feet. Very large flowers on stout stems. Pkt., 10c

Mt. Shasta. Beautiful crested Hardy Shasta Daisy. Huge flowers on long stout stems. They will excite more admiration and comment than any other plant in your garden. **Plants,** each, 75c; 3 for $2.00; doz., for $5.75.

MAJESTIC: This new Shasta Daisy is one of which we are justly proud. Very hardy flowers 5 to 6 inches in diameter with small yellow eye, double over-lapping circle of petals full and compact without drooping. Stems 30 to 32 inches. Blooms medium early. **Plants,** each, 75c; 3 for $2.00; doz., $6.00

New Hemerocallis

August Pioneer. Chrome-orange with back of petals delicate red. Mid-August until October. 36″ stems. Each, $1.00; 3 for $2.65; Doz., $7.25.

Brunette. The first early dark variety. Throat yellow and brown; outside reddish tan. June to July. 38″ stems. Each, $2.00; 3 for $5.25; Doz., $14.50.

Linda. Pastel bi-color of pale yellow and cinnamon, with crinkled petals, 38″ stems. July. Each, $1.00; 3 for $2.65; Doz., $7.25.

Mikado. Orange with spot of mahogany red on each petal. June to August. 36″ stems. Each, 75c; 3 for $1.95; Doz., $5.75.

COLLECTION: One each of the above 4 varieties. $4.25.

IMPROVED HEMEROCALLIS

Bagdad. Rich mahogany red. 42 in. Blooming June and July. Each, 75c; 3 for $1.95; doz., $5.75.

Calypso. Large light cadmium yellow. 40 in. July and August. Each, 60c; 3 for $1.50; doz., $4.75.

Hyperion. The finest Citron yellow available. Delightfully fragrant. 40 in. Blooming July. Each, $1.00; 3 for $2.65; doz., $7.25.

Imperator. Star Shaped blooms of orange red lined with sulphur. 40 in. Blooming July and August. Each, 60c; 3 for $1.50; doz., $4.75.

Margaret Perry. Brilliant orange scarlet, lined with yellow. 48 in. Blooming July and August. Each, 60c; 3 for $1.50; doz., $4.75.

Modesty. Large flowering pale yellow. 30 in. June and July. Each, 75c; 3 for $1.95; doz., $5.75.

Collection: One each of the above 6, $3.85.

Culture: A, B, C, or D, Page 53

7922 HEMEROCALLIS Peerless Blend. A mixture of high merit. Seeds saved from 10 botanical species also from fine hybrid seedlings. This blend will give a wide color range of excellent Day Lilies. Seeds, pkt., 25c.

8438 **PYRETHRUM** Robinson's Hybrids Mixed. Pkt, **25c.** Plants, each, **50c;** 3 for **$1.25;** doz., **$4.25.**

Hollyhocks ①

Culture: B, D or E, Page 53

Hollyhocks are most decorative and the great spikes of bloom are "Towers of Beauty" to the garden picture. Following Delphiniums in the border show, have a long season of bloom which can be prolonged by picking off faded flowers, and a second crop will come if the first stalks are cut back. Need well drained location. Hollyhock rust can be overcome by sowing the seed each year for flowering the next, as rust seldom attacks young plants.

Double Varieties

8005 Newport Pink. The finest pure pink. Pkt., 10c.

8008 Begonia Flowered Imperator, Mixed. Flowers with broad collar of frilled and fringed petals and double center rosette, many interesting combinations of colors. Pkt., 25c.

8009 Double Triumph Mixed. Beautifully fringed rosette flowers in many new shades and bicolor combinations. Pkt., 15c.

8015 Vaughan's Prize Double Mixture. Finest shades in perfect flowers. ⅛ oz., 50c; Pkt., 15c.

8016 Vaughan's Special Mixture. Mixture of all the best double varieties with new French strains. Pkt., 25c.

PLANTS. Mixed Colors. Each, 45c; 3 for $1.15; doz., $3.75.

Single Varieties

More permanent and hardy than the double.

8055 Mixed. ¼ oz., 30c; pkt., 10c

Annual Hollyhocks—See Page 27.

8015 **HOLLYHOCKS** Vaughan's Prize Double Mixture. Pkt., **15c. Plants,** each, **45c;** 3 for **$1.15;** doz., **$3.75.**

Hesperis Matronalis ①

(Sweet Rocket—Evening Scented Stock)

Culture: B, D or E, Page 53

The fragrant flower-heads of these thrifty flowers somewhat resembling perennial Phlox, make a fine display in the border, or in bits of woodland, for they endure light shade. 2 to 3 feet. June and July.

7930 Purpurea. Lilac. Pkt., 10c.

7935 —Alba. White. 10c.

Pyrethrum Roseum

(Painted Daisy) May-June

Culture: B, D or E, Page 53

Their large flowers, well named Painted Daisies, blossom with the tall Iris, and continue through June. A second crop will come if the first growth is cut back. They are easily grown from seed. 1 to 2 ft.

8433 Double Mixed. Pkt., 35c.

8444 Double Red. Pkt., 50c.

8445 —Pink. Pkt., 50c.

8448 —White. Pkt., 50c.

A certain percent of the above will be single.

8441 Single Atro-sanguineum. Blood-red. Pkt., 25c.

8443—Roseum. Rose. Pkt., 25c.

8440 Grandiflorum Single Mixed. Pkt., 15c.

8438 Robinson's Hybrids, Mixed. A selection made by an English specialist, with a fine color range. Pkt., 25c. **Plants,** each, 50c; 3 for $1.25; doz., $4.25.

8438A Robinson's Crimson. The best red. Pkt., 25c.

8313 **POPPY** Oriental Named New Varieties. Mixed. Pkt., **25c.**

Oriental Poppies

PAPAVER Orientale 3 ft. May-June

These gorgeous spring flowers, often six inches across, of vivid coloring, may be left undisturbed for years. The named varieties of Oriental Poppies do not come entirely true from seed.

8307 Beauty of Livermere. Finest crimson. 25c.

8303 Mahoney. Maroon, shaded crimson. Pkt., 15c

8309 Mrs. Perry. Delicate salmon-rose. Pkt., 25c.

8305 Princess Victoria Louise. Lilac-rose. 15c.

8310 Red. Very striking color. Pkt., 10c.

8312 Orientale Salmon Shades. See Novelties. Pkt., 25c.

8313 Named New Varieties Mixed. Seed collected from a field of the newer named sorts. Lovely pinks, rose and white. Pkt., 25c.

Iceland Poppies

PAPAVER Nudicaule 12 to 18 in.

Culture: B, Page 53

Cool moist soil is necessary, and light shade preferred. Bloom first year from seed.

8291 Gartford Giant Art Shades. Exceptionally large flowers in lovely pastels. Pkt., 25c

8293 Emperor. 18-22 in. Finest giant orange of new form, with over-lapping fluted petals giving effect of semi-doubleness. Pkt., 25c.

8287 Kelmscott Strain. 3 ft. The best strain, large flowers in beautiful colors. Pkt., 25c.

8296 Nudicaule Yellow Emperor. See Novelties. Pkt., 25c.

8281 Yellow Wonder. Buttercup yellow flowers on stems 25 in. long, drought resisting. Pkt. 25c

8279 Vaughan's Special Iceland Poppy Mixture. We have included all the newer varieties. Pkt., 25c

8270 × Nudicaule Mixed. Pkt., 10c.

8279 **ICELAND POPPY** Vaughan's Special Mixture, Pkt., **25c.**

Additional Perennial Seeds and Plants

Achillea (Yarrow) ①

Culture: D or E, Page 53

Achilleas grow readily from seed in sunny, well-drained positions. They are fine border flowers.

7008 Eupatorium Filipendula, Parker's Variety. 3 to 5 ft. June-Sept. Clear yellow flower-heads, May be dried for winter bouquets. Pkt., 15c.

7010 The Pearl. 2 ft. June to August. Pure white, double flowers, fine for cutting. Pkt., 15c.

Aconitum (Monkshood) ①

Culture: C, Page 53

Aconitums need rich, acid soil and prefer shade. Seed may be sown in the fall, as it germinates slowly. They should not be moved when once established, and require a mulch in winter. The roots are poisonous.

7026 Barker's Variety. Flowers are amethyst blue, considerably darker than Wilsoni. Pkt., 25c.

7020 Napellus. 2½ ft. July-August. Fine rich blue flowers. Pkt., 25c.

7025 Wilsoni. 6-7 ft. Sept.-Oct. Tall, autumn flowering, mauve, fine for cutting. Pkt., 15c.

Agrostemma ①

Culture: E, D, or C, Page 53

7048 × Coronaria Atro-Sanguinea. 1 to 2 ft. June-Sept. Attractive, free flowering, producing deep blood red flowers on long, slender stems like a single pink; blooms the first season; fine for cutting. Silvery foliage. Pkt., 10c.

Alyssum (Madwort) ①

Culture: B, D or E, Page 53

7054 × Argenteum. 1 ft. Dwarf, yellow flowers, leaves silvery underneath. Pkt., 10c.

7055 × Saxatile Compactum (Basket of Gold). 9 in. Almost as soon as winter is over Alyssum Saxatile Compactum becomes a mass of yellow gold; Pkt., 15c. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

7056 × — Compactum Sulphureum Citrinum. Lovely pale lemon colored flowers. Very effective with lavender or pink Tulips. Pkt., 15c.

Anemone (Windflower) ①

Culture: B, C, D or E, Page 53

7080 × Coronaria St. Brigid's Strain. May-June. Double and single mixed. 12 in. A beautiful selection in a wonderful array of colors. Pkt., 20c.

7090 × Pulsatilla (Pasque Flower). 1 ft. Deep blue, bell-shaped flowers in April are followed by tasseled seed-pods, decorative in themselves. Pkt., 25c.

Anthemis (Marguerite) ①

Culture: B, D or E, Page 53

7110 Kelwayi. 2 ft. Daisy-like lemon-yellow blossoms, all summer. Excellent for cutting. Pkt., 10c.

7114 Tinctoria, Perry's Variety. 2 ft. Large lemon-yellow Daisies, bloom all summer. Pkt., 25c.

Arabis (Rock Cress) ①

Culture: D or E, Page 53

Spreading dwarf, spring-flowering plants.

7195 × Alpina. 1 ft. April. Pure white. Pkt., 10c. **Plants,** 50c each; 3 for $1.25; doz., $4.25.

7197 × — Rosea. 1 ft. May. Compact rosettes of foliage and pink flowers Pkt., 35c.

7198 × Snow Cap. Shining snow white compact cushions. Pkt., 25c.

Armeria (Thrift, Sea Pink) ①

Culture: B, D or E, Page 53

Dwarf-growing perennials with grassy leaves and a tufted habit of growth. The flowers are borne in globular heads during May and July.

7205 × Alpina. 3 in. July. Deep rose. Pkt., 10c.

7206 Glory of Holland Giant Pink. Improved variety bearing clear, deep pink flowers the size of a silver dollar on straight stems 24-inches high in profusion all summer. Fine for cutting. Pkt., 25c.

Artemisia

Silver King. 3 ft. Its striking gray stems and leaves and rapid branching habit stamp it as unique among foliage plants for its slender ghostlike appearance. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

New Hardy Asters ①

Culture: B, D or E, Page 53

They are among the showiest of our late flowering hardy plants, giving a wealth of bloom in late summer and fall. For best effect they should be planted in groups.

Beechwood Challenger. 2½ ft. Darkest red of all.

Harrington's Pink. First true pink Hardy Aster. Large flowers of luminous true pink.

Royal Blue. A deep blue. Produces myriads of large, showy flowers.

White Lady. Large, graceful white flowers in profusion.

All above 60c each; 3 for $1.50; Doz. $4.75.

COLLECTION. One of each of the above four varieties, $2.00.

DWARF ALPINES

7226 Alpinus Goliath. Indispensable for the rockery or edge of hardy borders; 6 to 10 inches high, and bears large, showy, bluish purple flowers in May and June. Plant in full sun. Pkt., 25c.

7224 Amellus Hybridus. New named varieties, finest mixed. Pkt., 25c.

7225 Perennial, Large-Flowering Mixed. 3-5 ft. Sept.-Oct. Various shades of blue. Pkt., 25c.

Asclepias (Butterfly Weed)

Culture: B, D or E, Page 53

7220 Tuberosa. 2 ft. One of the showiest of our native perennials, producing from July until frost brilliant orange flowers. Seed pods if gathered just as they begin to open, develop into an attractive everlasting. Pkt., 25c. **Plants,** each 60c; 3 for $1.50; Doz., $4.75.

Aubrietia ①

Culture: B, D or E, Page 53

One of the daintiest and most delicately beautiful of all dwarf creeping plants for carpeting beds or rockeries, forming brilliant sheets of blue, crimson or rose for many weeks. 6 in.

7231 Eyrii. Fine large blue. Pkt., 25c.

7232 × Graeca. Light blue, dwarf. Pkt., 25c.

7230 × Large Flowered Hybrids, Mixed. A wonderfully fine strain, good range of colors. Pkt., 25c.

7229 × Royal Hybrids. A fine color range. Trailing habit. Seeds germinate in 25 days. Pkt., 35c.

Baptisia ①

Culture: B, C, D or E, Page 53

7235 Australis (False Indigo). Forms a spreading bush 3 to 4 ft. high with Lupin-like blue flowers in June and July. Pkt., 10c.

Boltonia (False Chamomile) ①

Culture: B, D or E, Page 53

They are among the relatively few fall flowering perennials, bearing small star-flowers in large clusters.

7250 Latisquama. 4-5 ft. July-Oct. Delicate pink. Pkt., 25c.

7435 × CERASTIUM Tomentosum ① (Snow in Summer). 4 in. June-July. A low, creeping plant bearing a profusion of white flowers. Pkt., 15c.

Centaurea ① (Hardheads, Knapweed)

Culture: B, D or E, Page 53

7428 Hardy Perennial Mixed. A mixture of thirty hardy Centaureas. A real treat is in store for those who plant this mixture, as it will be a means of securing plants of unknown and unlisted sorts of various forms and colors. Pkt., 15c.

Dictamnus (Gas Plant) ①

Culture: B or C, Page 53

This bushy perennial with its attractive flower spikes blooms with the tall bearded Iris. While its seeds germinate slowly, and do best when sown in the fall, once the plant is established it should not be moved.

7720 Fraxinella. 3 ft. May-June. Large spikes of deep pink purple-veined flowers. Pkt., 15c. **Plants,** each. 60c; 3 for $1.50; doz., $4.75.

7725 — Albus. 3 ft. May-June. Spikes of attractive pure white sweet-scented flowers. Pkt., 15c.

Campanulas

Culture: B, D or E, Page 53

This brilliant family includes the biennials, as well as a number of true perennials, varying in height from dainty rock garden subjects 8 inches tall to the stately Pyramidalis and Persicifolia types which reach 6 feet.

Canterbury Bells

The Canterbury Bells are biennials, that is, from seed sown one year, the plants will bloom the following year, and the plant then dies. To keep up a yearly display they should be sown annually.

DOUBLE		SINGLE	
7320	Blue.	7300	Blue.
7325	Pink.	7301	Lilac.
7315	White.	7305	Pink.
7330	Mixed.	7295	White.
		7310	Mixed.

Each of the above, pkt., 10c.

Plants, mixed shades each, 50c; 3 for $1.25; doz., $4.25.

CUP AND SAUCER

7270 Calycanthema Mixed. 2 ft. June-Aug.

7285	—Blue.	7280	—Pink.
7284	—Lilac.	7275	—White.

Each of the above, pkt., 10c.

Perennial Campanulas ①

Seed sown one year, plants will bloom the next and for several years following, increasing in size each year.

7260 × Carpatica (Harebell) Blue. 9 in. June to Aug. Forms cup-shaped, upright blooms of a glistening light violet-blue. Likes partial shade. Pkt., 10c. **Plants,** 60c each; 3 for $1.50; doz. $4.75.

7266 × Cullinmore. A lovely dwarf-growing species, more prolific than Carpatica. Various shades of blue flowers all summer. Pkt., 25c.

7331 × Garganica. Beautiful star-shaped sky-blue flowers fairly cover the trailing plants. Pkt., 15c.

7335 Lactiflora Coerulea. Broad-leaved, 2½-3 ft. July. Light blue. Pkt., 15c.

7344 Persicifolia (Peach Bells). Blue. 2-3 ft. June-July. Fine border plant. Pkt., 25c.

7345 —Alba. White. Pkt., 25c.

7350 —Mixed. Blue and white. Pkt., 25c.

7367 Rapunculoides. Spikes of loosely swung bell-blossoms. Variable coloring from soft blue to deep violet. A hedge of bloom. Pkt., 20c.

7355 Pyramidalis (Chimney Bellflower). Blue. 5-6 ft. August-Sept. Pkt., 10c.

7360 —Alba. White. Pkt., 15c.

7370 Vaughan's Special Mixture of Campanulas. A grand assortment of all varieties. Pkt., 25c.

Doronicum (Leopard's Bane)

Culture: B, D or E, Page 53 ①

7780 Caucasicum Magnificum. Very showy yellow-flowered perennial with bright green, heart-shaped leaves which disappear during July and August. Lovely with pale lavender Tulips. Seed germinates slowly. Pkt., 35c.

Euphorbia ①

Culture: B, D or E, Page 53

7807 Corollata (Wild Baby's Breath). 2 to 3 ft. Blooms in midsummer, and suggests Gypsophila but the flowers are a cloud of small white stars, delicate and airy. Valuable for bouquets. Will bear drought or neglect. Leaves turn a rich wine color in fall. Pkt., 25c.

Funkia (Hosta, Day Lily)

Very attractive plants with slender leaves surmounted by Lily flowers in terminal racemes, 1½-2 ft., July-Aug. Excellent in any shady position.

Subcordata Grandiflora. Flowers white, large green leaves. One of the best perennials for shade. **Plants,** each, 75c; 3 for $2.00; doz., $6.25.

Variegata. Most attractive variegated border plant. Well adapted to the shade. **Plants,** each 60c; 3 for $1.50; doz., $4.75.

Fortunei Marginata. Has light green margin and strong growth followed by attractive mauve flowers in August. **Plants,** each $1.50; 3 for $4.00.

Gaillardias ①

Culture: B, D or E. Page 53

7809 Grandiflora Monarch Strain. A robust strain very varied in coloring and with flowers of giant size and perfect form. Pkt., 25c.

7812 —Burgundy. 2 ft. Shining wine-red flowers, 2½ in., from June until fall. Blooms same year, sown early. Pkt., 25c.
Plants, each, 60c; 3 for $1.50; doz., $4.75.

7811 —Dazzler. Large golden yellow flowers with rich maroon center. Pkt., 25c. **Plants,** each 50c; 3 for $1.25; doz., $4.25.

7817 —Goblin. 12-15 in. First real dwarf, covered with showy deep red flowers yellow bordered. Flowers first year from seed. Pkt., 25c.
Plants, each, 50c; 3 for $1.25; doz., $4.25.

7836 —Portola Hybrids. 2½-3 ft. The flowers are nearly 4 inches; brilliant scarlet intensified by golden yellow tip. Pkt., 25c. **Plants,** each 50c; 3 for $1.25; doz., $4.25.

7810 —Mixed. Composite flowers variegated with shades of red and yellow. Pkt., 10c.

Geum ①

Culture: B or C, D or E, Page 53

7851 ×Borisii. An evergreen species with foliage rather prostrate and the branching flower stems 8 to 12 in. long. Orange scarlet flowers. Pkt., 25c.

7852 Lady Stratheden (Golden Ball). 2 ft. Flowers loosely double, golden yellow. Pkt., 35c.

7855 Mrs. Bradshaw. 2 ft. Double orange-scarlet flowers. June-Sept. Pkt., 25c.

7854 Prince of Orange. True rich orange on long stems. Pkt., 25c.

Gerbera (Transvaal Daisy) ①

Culture: D or E, Page 53

7846 Jamesoni Hybrids (Flowerland Strain). 2 ft. Large Daisy-like blooms on long stems in yellow and red. Pkt., (25seeds) 25c.

Gypsophila (Baby's Breath) ①

Culture: A, B, D or E, Page 53

7861 Mangini. Wide tangles of large and pretty pink and white flowers valued for misty border effects, also for adding airy grace to cut flower arrangements. Pkt., 15c.

7866 Oldhamiana. 3 ft. The light little buds are first almost white, but open a lively shade of pink that darken as the flowers mature. Pkt., 25c

7867 Pacifica. 4 ft. Withstands both severe winter and extreme heat. The seedlings form dense bushes with myriads of tiny pink blossoms. Pkt., 25c. **Plants,** each 65c; 3 for $1.75; Doz., $5.50.

Paniculata Bristol Fairy (Double Baby's Breath). Early double pure white large flowering perennial Baby's Breath. Produces a second crop of spikes. **Plants,** each, 75c; 3 for $2.00; doz., $6.25.

7860 Paniculata Double Snow White. A great improvement on the single-flowered type and more lasting. 2-3 ft. July-August. Pkt., 25c. **Plants,** each 75c; 3 for $2.00; Doz., $6.25.

7865 —(Baby's Breath). 2-3 ft. July-Aug. Small single flowers on branched stems, so thick as to give the plant a white lace-like effect. Pkt., 10c.

7863 ×Repens Rosea. 6 in. Attractive pink. 15c.

7862 ×Repens Dwarf White. Pkt., 15c.

Helianthemum ①

Culture: C, Page 53

7906 ×Mutabile (Rock Rose). 8-12 in. Low-growing evergreen plants forming large clumps, completely covered with bloom during July and August. Pale rose changing to lilac, then to white. Excellent for rockeries. Mixed colors. Pkt., 15c. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

Helenium (Sneezewort) ①

Culture: B, D or E, Page 53

7890 Riverton Gem. 2 to 4 ft. Covered from August to October with brilliant old gold, changing later to wallflower-red. Pkt., 25c.

Heuchera (Coralbells) ①

Culture: B, D or E. Page 53

From a tuft of heart shaped leaves, graceful flower stalks rise, bearing flowers in clusters.

7940 Sanguinea. 2 ft. July-Aug. Long stems of large crimson-scarlet flowers. Pkt., 25c.

7943 —New Hybrids Mixed. All shades of red and coral pink. Large and free flowering. Pkt., 25c.

7941 —Splendens. Vermillion. Pkt., 25c.

HEUCHERA (Coral Bell) Rosea

Plants have rosette-like clumps of attractive foliage from which dainty stems arise to a height of 18 inches. Small bell-like flowers from panicules at the upper part of the stem. Very dainty and attractive in beds or when cut. We offer the ROSEA variety which has a beautiful deep pink color.

Field Grown, Transplanted Plants Only. Each 60c; 3 for $1.50; doz., $4.75.

Hibiscus (Rose Mallow) ①

(3 to 5 Feet)

Culture: B, D or E, Page 53

In the late summer, when perennials are few, well established plants of Mallow bear their beautiful single flowers, 3 to 5 inches, several weeks. Aug.-Sept.

7947 Avalon Hybrid. A new hybrid strain. Flowers mostly of bell shape, and vary from blush through pink, rose and vivid reds. Bloom until October. Pkt., 25c. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

7950 Golden Bowl. Deep cream, with a velvety maroon center. Pkt., 10c.

7946 Jumbo Red. A special selection made to improve color and size of the flower of the Mallow Marvels Red.. Pkt., 15c. **Plants,** each, 55c; 3 for $1.35; doz., $4 50.

7960 Mallow Marvels, Mixed. Pkt., 15c. **Plants,** each, 50c; 3 for $1.25; doz., $4.25.

Iberis (Perennial Candytuft) ①

Culture: A, B, D or E, Page 53

Dwarf evergreen plants, 6 to 10 in. Covered with blooms in spring and early summer.

8075 ×Gibraltarica. Pinkish white. Pkt., 10c.

8080 ×Sempervirens. Sheet of white. Pkt., 25c. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

Grow Iris From Seed

Culture: A, B or C, Page 53

Seed germinates slowly.

8089 Kaempferi. Special strain, see Novelties.

8092 Siberian. This type of Iris resembles the Spanish and English Irises. It makes a bright show in the garden and is excellent for cutting. Sow seed in fall. Pkt., 15c. **For Iris plants see Index.**

8091 Dichotoma (August or Vesper Iris). Fragrant flowers on tall branching sprays. from July to September. Cream to violet-purple markings of various colors. Pkt., 20c.

8093 Spuria. Flowers in form a reminder of the bulbous Dutch and Spanish Irises. Long lasting when cut. Includes yellow splashed whites, golden yellows, lilac, lavender and varied blues. Pkt., 25c.

8090 Giant Bearded Hybrids. Pkt., 25c.

Lathyrus Latifolius ①

(Hardy Sweet Pea)

Culture: B, C, D or E, Page 53

Very decorative climbing vines of the Pea family for growing on fences, trellis, etc., and for cutting.

8100 Pink Beauty. Pale pink variety. Pkt., 10c.

8105 Rubra. Bright rosy crimson. Pkt., 10c.

8110 White Pearl. Large white. Pkt., 10c.

Plants, mixed, each 50c; 3 for $1.25; doz., $4.25.

Lavender (Lavendula) ①

Culture: B, D or E, Page 53

8117 × Munstead Strain. 1 ft. A most valuable variety. A month earlier than the common Lavender. Pkt., 25c; **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

Lilies from Seed ①

Many Lilies are easily grown from seed; and seedling Lilies are likely to be more enduring in your garden. A leaflet describing the simple methods which bring success, requiring no skill, but merely care and patience, will be sent free with each order for Lily seed, if requested.

8158A Longiflorum Praecox White Queen. Produces long trumpet-shaped flowers of clear white. Pkt., 25c.

8159 Philippinense Formosanum Snowdrift. See Novelties. Pkt., 35c.

8162 Regale (The Royal Lily). 3½ ft. King of lilies of northern gardens. Trumpets glossy white, interior shows a lemon tinting and the reverse a rosy suffusion. Pkt., 15c.

8163 Tenuifolium (Coral Lily of Siberia). 24 in. Blooms are deep scarlet and have recurled petals of waxy texture. Pkt., 25c.

8164A Mixture of Hardy Lilies. Includes seeds of 50 Lilium species and Hybrid strains, but not, of course, in equal proportions. Pkt., 25c.

For bulbs of Lilies see Index.

Liatris (Kansas Gay Feather) ①

Culture: B, D or E, Page 53

8117A Scariosa September Glory. A giant 6-ft. spike solidly covered with purple flowers from top to bottom. The flowers, unlike the common variety, come into bloom all at the same time creating a marvelous effect. Pkt., 25c. **Plants,** each, 75c; 3 for $1.95; doz., $5.75.

Linum (Flax) 12 to 18 in. ①

Culture: C, Page 53

8134 Linum Collinum. A hardy perennial Flax with bright blue flowers, forming compact, free-flowering plants 12 to 15 inches in height. Pkt., 25c.

8140 Flavum. 1-2 ft. Produces masses of golden yellow flowers from June until Sept. Pkt., 20c.

8141 —Compactum Nanum. A glowing golden yellow, blooms for months. Pkt., 25c.

8127 Narbonense Heavenly Blue. The flowers are twice as large as the common Linum Perenne. The color is a luminous ultramarine blue. Blooms from seed the first year. Pkt., 25c.
Plants, each, 50c; 3 for $1.25; doz., $4.25.

8125 Perenne Blue. 2 ft. May-Aug. Has dainty sky-blue flowers on graceful arching stems. Blooms produced continuously in profusion. Pkt., 10c.

Lobelia ①

Culture: B, C, D or E, Page 53

8145 Cardinalis (Cardinal Flower). 2 ft. July-Oct. Tufts of bronzy green foliage from which arise spikes of fiery scarlet flowers. Pkt., 15c. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

For Winter Bouquets ①

Culture: B, D or E, Page 53

8150 LUNARIA Biennis Annua (Honesty or St. Peter's Penny). Flowers lilac-purple, followed by silvery seed pods, prized for winter bouquets. Biennial but readily self-sows. Pkt., 10c.

Lupinus Polyphyllus ①

Culture: A, B, D or E, Page 53

Inoculate Lupin seed with Nitragen. Two garden sizes, 10c and 25c. Chill seed before sowing.

8171 Famous Russell Strain. Mixed colors. These remarkable Lupins are often 3½ ft. in length. Flowers in 4 months from sowing. Pkt., 25c.

8179 Vaughan's Special Mixture. This is a choice mixture of the best English and American strains, including recent novelties. Pkt., 25c.

Lychnis ①

Culture: B, D or E, Page 53

8190 Chalcedonica (Maltese Cross). 3 feet. June-Aug. Burning Star. Flowers fiery red in clusters, each blossom forming a Maltese cross. Will bloom from seed the first year. Pkt., 10c. **Plants,** each, 50c; 3 for $1.25; doz., $4.25.

8221 LYTHRUM The Beacon Improved. 3½ ft. Spikes of carmine red flowers. Pkt., 25c.

8220 Roseum Superbum. 4 ft. Rose-pink. 10c.

Culture: B, D or E, Page 53

8245 MYOSOTIS Palustris Semperflorens. True marsh forget-me-not blooming from spring until autumn. Pkt., 25c.
Plants, each, 50c; 3 for $1.25; doz., $4.25.

PACHYSANDRA Terminalis. A trailing plant 6 in. to 8 in. high. Bright, glossy green foliage. Ideal ground cover for the shady spot. 3 for $1.00; 10 for $3.00. 100 for $20.00.

Pentstemon (Beard Tongue) ①

Culture: B, D or E, Page 53

They are very showy, growing from 2 to 4 feet; slender spikes which bear trumpet-shaped flowers.

8324 Barbatus. Tall erect branching. A showy scarlet perennial. One of the best. Pkt., 25c.

8335 Digitalis. 2 ft. June-July. White flowers with purple throat. Pkt., 25c.

Physalis Franchetti ①

Culture: B, D or E, Page 53

8345 Chinese Lantern Plant. 1½ ft. Produces balloon-like husks the second year from seed which turn bright red when ripe and resemble Chinese Lanterns, useful in winter bouquets. Pkt., 10c.

Platycodon ① (Chinese Bell Flower)

Culture: B, D or E, Page 53

They resemble Campanulas, with dainty bell flowers on graceful stems. They flower from June to September.

8360 Grandiflorum. 2-3 ft. Large handsome deep blue flowers. Pkt., 10c.

8365 —Album. White. Pkt., 15c.

8370 × Mariesii Blue. 1 ft. Deep blue dwarf. Pkt., 10c.

8375 ×—Alba. White. Pkt., 25c.

Polemonium (Jacob's Ladder) ①

Culture: B, D or E, Page 53

8388 Richardsoni. 18 in. Large sky-blue flowers with a yellow eye. May to Sept. Pkt., 25c.

POLYGONATUM Multiflorum. (Solomon's Seal) Pendant sprays of white flowers on 2 foot stems. **Plants,** each 50c; 3 for $1.25; doz., $4.25.

POTERIUM Obtusum. (Japanese Barnet) 3 ft. July-Sept. A rare hardy perennial; has graceful pinnate foliage and crimson flowers two inches long. Very ornamental and fine for cutting. **Plants,** each 75c; 3 for $2.00; doz., $6.25.

Primula ①

There is a growing appreciation of the beauty of the amazingly varied Primrose family. Blossoming in April and May, their brilliant colors have few rivals in plantings along shady paths or in the rock garden. Seed germinates slowly.

Culture: C or B, Page 53

8403 Acaulis Blue. The finest obtainable being regular and rich in color. Pkt. (100 seeds) $1.00.

8403A × Auricula Large Flowering Mixed. 6 in. Flowers in early spring in colors of yellow, brown and red. Pkt., 25c.

8411 Japonica. Mixed. Towering sprays of beauty. Colors range through white, rose, pink, crimson, mauve and lavender, bright crimson, orange eye. Pkt., 25c.

Polyantha Type (Bunch Primrose)

These are showy, cluster-flowered, of exceptional size, thriving in rich, moist soil.

8419 Veris Giant Crimson. Pkt., 25c.

8420 —Colossea Mixed. The large heads of florets are borne on stiff stalks in new shades of lilac, pink, copper as well as the darkest red. Pkt., 100 seeds, 50c.

8421 —Lutea. Yellow. Pkt., 25c.

8416 ×—Grandiflora Mixed. An extra choice large flowered mixed strain most carefully selected for habit, rich coloring and size of bloom, the finest strain for bedding. Pkt., 35c.

8418 —Giant Bouquet Mixed. Large flowered, strong stems, excellent mixture. Pkt., 25c.

8423A —Monarch Strain. Undoubtedly the finest of all strains. Pkt., 25c.

8424 Vulgaris (English Primrose). Pale yellow for wild gardens. Pkt., 25c

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8430 PUERARIA Thunbergiana (Kudzu Vine). An excellent ornamental creeper. Pkt., 15c.

PERENNIAL SEED MIXTURES

Similar to our Surprise Garden of Annuals.

8600 Dwarf. 6 to 15 in. **8601 Medium.** 18 to 36 in.

8602 Tall Sorts Mixed. 3 ft. and upwards.

Each of above, per pkt., 25c; 3 pkts. for 65c.

Phlox Plants

We offer varieties of Phlox which have proved to be long lived and resistant to disease, in a representative range of colors. All these varieties have large florets and heavy heads of bloom.

★**Aetna.** Tall, deep scarlet color.
Africa. Deep carmine red with darker eye.
★**Blue Boy.** Near blue color with violet cast.
★**Count Zeppelin.** Large white blooms with vivid bright red eye.
★**Daily Sketch.** Large flowers of light salmon pink with carmine eye.
Dr. Klemm. White, diffused violet eye.
E. I. Farrington. A delightful salmon shade with darker eye.
Flash. Rich dark red with orange-scarlet center
July Lights. A brilliant carmine red with blood red eye.
★**Leo Schlageter.** One of the brightest of all red Phlox.
Mia Ruys. Best of dwarf white.
Moonlight Dream. Semi-dwarf white.
Prime Minister. Clear pure white, brilliant red center.
Rosea Superba. Soft rose pink with red eye.
★**Royal Purple.** Early purple.
Starlight. Orchid with white eye.

On all the above 60c each; 3 for $1.50; doz., $4.75.

Collection No. 51. One each of the six starred varieties of above, $2.75.

SPECIAL VARIETIES OF PHLOX

Charles Curtis. Brilliant cherry red. Very showy.
Harvest Fire. A brilliant salmon orange.
Mary Louise. New white—large flower heads.
Salmon Beauty. Rich salmon pink with white eye.

On all the above four, 75c each; 3 for $2.00; doz., $6.25.

Collection No. 51A. One each of the four above, $2.50.

PHLOX SUBLATA (DWARF CREEPING PHLOX)

One of the best rock garden plants. Strong grower with a creeping habit. Multiplies very rapidly. Blooms in May. Very prolific.

Lilacina. Pale lilac lavender.
Atro-Purpurea. Dark purple.

Price of above, 60c each; 3 for $1.50; doz., $4.75.

Phlox Seed

8340 Decussata Mixed. 2-3 ft. This special mixture comes from a superior collection of large-flowering sorts. Perennial Phlox do not come true from seed and can be had only in mixture. Seed germinates slowly. Pkt., 25c.

8341 Divaricata. Blooms early May. Fragrant lavender flowers on stems 10 inches high. Prefers shade. Seed germinates slowly. Pkt., 25c.

Ranunculus

4536 Asiaticus. The semi-double to double flowers range from straw to gold, orange, scarlet, crimson with pink tones. Can be planted in garden in earliest spring. Pkt., 25c.

Rose

Culture: B, D or E, Page 53

8452 The Baby Rose. Multitudes of tiny roses in varied lovely colorings, but largely in white, blush or delicate pink. Flowers single to fully double. More or less everblooming. Quick from seed, and from earliest spring sowings, plants will be in flower by June, midgets but four inches high. Pkt., 25c.

Rudbeckia (Cone Flower) ①

Culture: B, D or E, Page 53

RUDBECKIA Purpurea. Reddish purple flowers, large brown cone-shaped center. Two to 3 foot stems. Blooms July to October. Plants, 60c each; 3 for $1.50; doz., $4.75.

8259 Native Wild Flower Mixture. Seeds of more than 100 different species. All American, collected in the temperate zone. There are few annuals, the rest hardy perennials. For woodlands, and wild flower gardens. . . . . Pkt. 25c.

Salvia ①

Culture: B, D or E, Page 53

8480 Patens. 2 ft. Large, rich deep blue flowers. Roots can be wintered in cellar. Sept. Pkt., 25c.

Scabiosa ①

Culture: B, D or E, Page 53

8490 Caucasica Perfecta. 18 in. Light blue flowers prettily fringed on long stems. Pkt., 15c.

8491 —Alba. Pure white comes true. Pkt., 25c.

8494A —Vaughan's Special Mixture. Large fringed and ruffled flowers from lavender to dark blue; some pure white. Pkt., 25c.

8492 —House's New Giant Hybrids. 18 in. June-Oct. Large flowers in various shades of lavender. Pkt., 25c.

8496A —Goldingensis. Large flowers, waved petals, small center, deep lavender. Pkt., 25c.

Stokesia (Stokes' Aster) ①

Culture: B, D or E, Page 53

Large flowers, resembling a single Aster.

8525 Cyanea. 18 in. July-Oct. Flowers rich blue. Pkt., 15c. **Plants,** each, 60c., 3 for $1.50; doz., $4.75.

Thalictrum (Meadow Rue) ①

Culture: B, D or E, Page 53

Though not of bright and conspicuous color, the feathery flowers of the Thalictrums are decorative and interesting. They grow easily from seed.

8541 Aquilegifolium. (Feathered Columbine) Handsome foliage; sepals white, stamens purple. 3 ft. Pkt., 25c.

8545 Dipterocarpum. 4 to 5 ft. Aug.-Sept. Very graceful plumes of rosy-purple flowers with conspicuous yellow anthers. Pkt., 25c.

Thermopsis ①

Culture: B, D or E, Page 53

8548 Caroliniana. 3 to 5 ft. June and July. The long, graceful spikes of yellow Lupin-like flowers blossom with the Delphiniums and provide an excellent foil for their blues. Pkt., 25c.

8550 TRADESCANTIA Mixed. See Novelties. 25c.

Tritoma (Red Hot Poker) ①

Culture: B, D or E, Page 53

Very handsome and showy border plants. Flowers borne in compact form on stout 3 and 4 ft. stems.

8558 Pfitzer's Hybrids. Orange scarlet. Pkt., 15c. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

8554 TROLLIUS Choicest Mixed Varieties. Pkt., 25c.

8538 TEUCRIUM Chameadrys. A desirable rock garden or edging perennial with attractive glossy, dark green foliage with evergreen tendencies. Many spikes of rose-colored flowers. Pkt., 25c.

8561 VALERIANA (Garden Heliotrope) Mixed. Pkt., 10c.

Verbascum (Mullein) ①

Culture: B, D or E, Page 53

8569 Phoeniceum Hybrids. 2 ft. Bears white, purple, rose or red flowers in erect spikes. Pkt., 25c.

Veronica (Speedwell) ①

Culture: B, D or E, Page 53

Hardy, herbaceous perennials varying in height from a few inches to 3 or 4 ft., and bearing blue or white flowers in terminal spikes or racemes.

Longifolia. 2½ ft. Spikes of light blue flowers, glaucous blue foliage. July-Sept. **Plants,** each, 50c; 3 for $1.25; doz., $4.25.

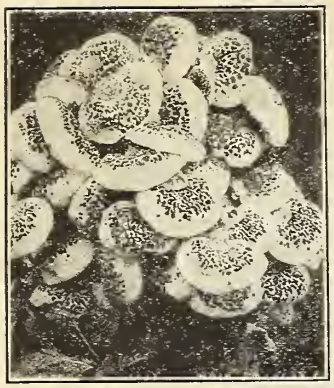
8570 Spicata Blue. 2 ft. July-August. Flowers violet blue in long spikes. Pkt., 15c.

Vinca Minor (Grave Myrtle) ×

Bowles Variety. Glossy leaved plant which makes a fine evergreen for shady locations. Flowers are a charming intense blue. **Plants,** each, 45c; 3 for $1.15; doz., $3.50.

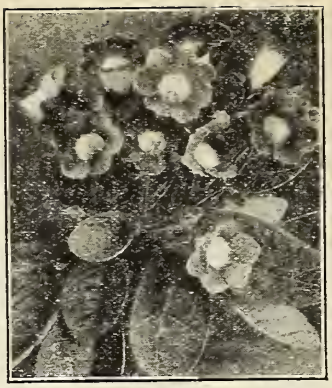
PLANTS OF HARDY SWEET VIOLETS

Royal Robe. Lustrous violet blue, very fragrant; opens like Pansy. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.



1184 CALCEOLARIA Hybrida Triumph. Pkt., $1.00.

1716 CINERARIA Cremer's Prize Mixture. Pkt., 50c.



2560 GLOXINIA Vaughan's International Mixture. Pkt., 25c.

4477 PRIMULA Malacoides Ericksson's Special Mixture. Pkt., 35c.

House Plants from Seed

ABUTILON

120 Mixed (Flowering Maple or Chinese Bell Flower). ÷ 3 to 4 ft. As indispensable for the window or greenhouse as the Petunia is for the flower garden. Grows rapidly from seed, and is soon in bloom. Leaves very ornamental and often beautifully variegated. Lovely bell-shaped flowers, borne the year round and in all colors. Pkt., 25c.

AGAPANTHUS ÷

Culture: C, B, D or E., Page 53

175 Umbellatus (Blue Lily of the Nile) 1 ft. Bright blue flowers produced in clusters on long stems. Does well out of doors in all Southern States. House plant in the North. Pkt., 15c.

ANTIGONON

Culture: C, B, D or E, Page 53

315 Leptopus (Mexican Mountain Rose) = Handsome summer-blooming greenhouse climber, requiring abundance of light. In the South it blooms freely in the open. Flowers beautiful rose-pink. Pkt., 10c.

ANTIRRHINUM Snapdragon ① ÷

For Greenhouse Forcing.

Culture: D or E, Page 53

BRONZE

362 Afterglow. Golden bronze. Pkt., 50c.
381 Early Glorious. Bronze shaded scarlet. 50c.
399C Sunlight. Finest early golden bronze. Pkt., 50c.
400 Suntan. Rose shade of tan yellow lip. Pkt., 50c.

ROSE AND PINK SHADES

375 Cheviot Maid Supreme. Deep rose pink. Pkt., 50c.
395C Marie Louise. Shell pink. Pkt., 50c.
408A Rose Queen. Dark pink. Pkt., 50c.

WHITE

395 Lucky Strike. Early flowering white. Pkt., 50c.
394A Koester's White. Pure white. Pkt., 50c.

YELLOW

374 Ceylon Court. Dark canary yellow. Pkt., 50c.
376 Coates Yellow Perfection. Golden yellow. Pkt., 50c.
380 Ethel. Bright yellow. Pkt., 50c.
426 VAUGHAN'S MIXTURE OF GREENHOUSE VARIETIES. A mixture of the forcing varieties we list. Pkt., 50c.

ASPARAGUS ÷

Culture: C. Pot up in Fall, force in greenhouse. Page 53

480 Plumosus Nanus. + 3 ft. Pkt., 25 seeds, 60c.
485 Sprengeri. + Finest material for hanging baskets. Pkt., 25 seeds, 60c.

CALCEOLARIA +

Culture: C. Pot up in Fall, force in greenhouse. Page 53

1179 Hybrida Multiflora Nana Mixed. The average size of the blooms is only 1½ inches, but the amount of flowers produced is unsurpassed. The color scheme is extraordinarily gay and full of contrast. Pkt., $1.00.
1184 Hybrida Grandiflora Triumph Strain. A truly outstanding strain. Bright shades of yellow, orange, red and rose; the flowers are large and mostly tigered or spotted. This strain produces bushy, shapely plants with clean foliage. Pkt., $1.00.

CINERARIA Hybrida +

Culture: C. Pot up in fall, force in cool greenhouse, Page 53

1715 Vaughan's Columbian Mixture. A mixture of the finest strains; the flowers from 7 to 9 inches in circumference, brilliant colors. Pkt. (75 seeds), 25c.
1716 Cremer's Prize Mixture. The petals in most of the blooms of this strain are wide, numerous and overlap well to form attractive heads. The plants can be finished in smaller pots, too, making shapely specimens covered with masses of blooms. Pkt., 50c.
1726 Multiflora Nana Gold Center. The golden yellow stamens make a wonderful contrast with the blues, reds and pinks of the flowers. Pkt., 50c.
1718 Potsdam Strain Mixed (Berlin Market or Weissensee). Taller and larger flowered than Cremer's Prize mixture. Pkt., 50c.

CYCLAMEN Persicum Giganteum +

Culture: C. Pot up in Fall, force in greenhouse. Page 53

2010 Mixed. Large, colorful fragrant blooms on strong erect stems, well above the ornamental foliage. It takes nearly 18 months to produce blooming plants from seed. 10 seeds, 25c; 25 seeds, 60c.

DRACAENA Indivisa □+

Culture: D, E or C, Page 53

2350 Ornamental leaved plants; long, narrow, green-leaved foliage. 2 ft. Pkt., 10c.

FREESIA □ ÷

Culture: D, E or C, Page 53

Sow the seed in cold frame in the middle of May, covering them with sash for three weeks, until the plants are up; then gradually remove the sash so that the plants will become accustomed to the air,

Lift the plants in the middle of September and plant in cold house. They will flower in January with nice large blooms and long stems.

2455 Rainbow Hybrids. A mixture of colored varieties. Pkt., 25c.

FUCHSIA

2460 Double and Single Mixed. From a choice collection of plants, including Storm King and others. Pkt., 35c.

GLOXINIA +

Culture: D or E, Page 53

2560 Vaughan's International Mixture. Magnificent house-blooming plants, with handsome bell-shaped flowers in a diversity of the richest colors. These seeds are very small and require care in handling, but start very readily when sown in pans or pots on finely sifted soil and watered from beneath. 12 in. Pkt., 25c.

GREVILLEA ÷

Culture: D or E, Page 53

2675 Robusta (Silk Oak). 1 to 5 ft. Grows rapidly from seed, and is pretty in all stages of growth, with its long, drooping, silky foliage. Pkt., 15c.
2846 HOUSE PLANTS MIXED. A mixture of the following: Begonia, Calceolaria, Cineraria, Cyclamen, Primula Malacoides, and Obconica Mixed. Pkt., 50c.

KALANCHOE

Culture: D, C or E, Page 53

2915 Hybrida Brilliant Star. Showy window succulent, with attractive fleshy foliage and big trusses of vividly red blossoms. Pkt., 35c.

MARIGOLD □

Culture: D or E, Page 53

3122 Lieb's Winter Flowering. Mahogany brown with golden yellow crested center. Pkt., 25c.
3145 French Tall Double Winter Harmony. Golden orange center, reddish brown guard petals. This is an entirely new type for winter flowering in the greenhouse. Very uniform growth, long stems, 2½ inch flowers, and comes 100% double and true to type. Pkt., 25c.

PANSY □

Culture: A, B or C, Page 53

3841 Vaughan's Long Stemmed Winter Flowering Re-selected Mixed. It has a much wider color range than the original Winter Flowering strain and has an excellent stem length, averaging better than 10 in. The bloom size is from 2½ to 3 in. and the flowers are of very good substance. Sow in summer for Midwinter blooming. Pkt., 50c.

PRIMULA ÷

Culture: D, C or E, Page 53

4465 Chinese Vaughan's International Mixture. Our mixture contains all the choicest colors of the single-flowering Primulas in all their dainty shades. Pkt. (100 seeds), 75c.

Primula—Various Sorts

Culture: C (May-July). Pot up July-Sept., Page 53

New Giant Malacoides

4471 True Rose. A true rich pink. Pkt. (about 100 seeds), 35c.
4477 Ericksson's Special Mixture. (Riverside Strain). This is the newest strain, flowers are larger, stems are heavier; foliage is stiffer, more upright and heavier. Flowers have more substance and last longer. Pkt., (50 seeds), 35c.

Primula Obconica Grandiflora

Culture: D or E (Jan.-April); C (May-July). Winter in greenhouse. Germination 3-4 weeks. Page 53

4487 Fasbender Red. Large rich deep red. Pkt. (200 seeds), 50c.
4495 Obconica Grandiflora Mixed. Good mixture. Pkt. (200 seeds), 25c.
4496 Gigantea Wyaston Wonder. The huge heads of bright crimson flowers are carried on strong stems well above the foliage. In spite of the vigorous growth, Wyaston Wonder makes a compact and tidy plant. Pkt., 50c.
4497 Gigantea Wyaston Wonder Hybrid Orchid—Lavender. The color is a superb art shade of true orchid-lavender. The trusses are of enormous size, composed of individual blossoms which will average two and one-half inches in diameter. Pkt., (200 seeds), 50c.

SOLANUM

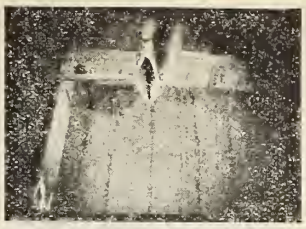
Culture: D, C or E Page 53

4790 Cleveland Cherry Red. This is an improvement on Jerusalem Cherry. Differs from it in habit of growth, which is dwarf and compact and the larger number of berries produced. One of the best house plants for window decoration. Pkt., 25c.

KEY TO SYMBOLS. ☑Annuals. ✱Biennials. ①Perennials. ÷Greenhouse Plants. +House Plants. =Climbing Plants. ×Rock Garden Plants.

FIRMING THE SOIL

MARKING THE ROWS



SOWING THE SEED

COVERING THE SEED

SOWING SEEDS IN THE INDOOR BOX

Flower Seed Cultures—How to Sow

IN FIVE paragraphs below, designated A, B, C, D and E, we cover in considerable detail the methods of starting flower seeds which are available to the amateur without a greenhouse, and which cover well the needs of an outdoor garden. In the flower seed section in the case of each flower listed, information is given as to the cultural methods which can be used for that subject.

While our cultural instructions are definite, detailed and exceptionally thorough, they should be supplemented by reading in good gardening books and by obtaining, at first hand, advice from successful gardeners in your neighborhood. Success in gardening requires study, and the opportunity for enlarging one's information and trying out new things is one of the most fascinating features of gardening.

A **Sow in the bed, border or row where the plants are to grow.** The soil should be loamy, with well pulverized surface. With heavy soil inclined to cake and crack, it is usually best to grow plants in a seed bed (B) and transplant to the permanent place. Loosen the soil where seeds are to be sown, with the trowel, or hoe, several inches deep. Rake smooth. Broadcast small seeds and cover them lightly four or five times their diameter. Very small seeds may be merely pressed in. Larger seeds may be planted singly, well covered, but more thickly than plants are wanted. Firm the soil well over the seed. Watering now becomes of great importance. At no time should the soil be allowed to become hard and dry, yet exeessive watering may cause the seeds to rot, sour the soil, or cause "damping off." When the plants appear, thin them out, allowing each to grow singly, without crowding. The distance between them is governed by their ultimate size and spread. Excess plants may usually be moved to a new location.

B **Sow in outdoor seed bed, to be transplanted.** The seed bed in the open should be of loose, mellow loam, raised slightly above the surrounding surface, and preferably surrounded by a wooden curb, to prevent rain washing aeross it. It should not be wider than four feet, so it can be worked easily. Shelter from high winds is valuable, but damp and shady corners are not desirable. Full sun is advisable when seedlings are up; while shade when needed, as in midsummer for perennial seedlings, is best supplied by a lath or cloth canopy, which can be removed in damp and cloudy weather. Sow the seeds in rows which may be as close as five inches. Sowing and watering are the same as described in "A" above. Seedlings may be transplanted when they make true leaves, the second pair of leaves to appear; or they may be left until larger before being moved to their permanent location. Perennials should be moved from the seed bed to a nursery row, to grow until fall before being moved to the border.

C **Sow in flat, pot or pan outdoors or in a cold frame.** This method is applicable to slow germinating subjects, some of which may take a year to germinate. Fill the receptacle with potting soil as described in "D," firm the soil and broadcast the seed, covering four or five times their diameter. Place the receptacle in a shaded location, where there is free air circulation. During the spring, summer and fall, water often enough to prevent soil from drying out. A mulch of peat moss will help retain moisture. In winter, place in a protected place outdoors and cover with leaves. Have patience with slow germinating subjects; do not disturb too quickly. Any live seed will eventually grow if given time enough, provided soil, moisture supply, etc., are right. When seedlings appear and make true leaves, transplant to pots, nursery row or permanent location. If moss forms on soil surface, sprinkle fresh earth over top.

D **Sow indoors in a box, pot or pan.** This method may be followed where there is a window facing south, enjoying sunlight most of the day. Use a standard florists' pot or pan (shallow pot) or a "flat," which is a shallow box, with holes bored in the bottom for drainage. Cover the drainage holes in pot or box with broken pottery; fill with potting soil. This is a mixture of half sand and half black loam. It may be obtained from florists. Firm the soil, and sow the seeds in rows, marking each row to identify the sowing. Water by setting the box or pot in water, so that it soaks up from below, or use a fine spray which does not wash the soil. Place in a dark place, covered with a wet newspaper blanket until the seeds sprout. As soon as sprouts appear bring into full light. Cover the box or pot with glass to check evaporation, but when moisture collects on glass wipe it off, and prop up one end of the glass to allow air to circulate during the sunny part of the day. A temperature not below 50 degrees at night, or 75 degrees by day, is best. Do not allow the soil to dry out. When the seedlings have made true leaves (the second set), they should be transplanted to other flats, giving at least two inches of space apart; or they may be moved to small pots or to an outdoor seed bed or border.

E **Sow in a hotbed or cold frame.** A cold frame or a hotbed heated by manure or other means may be used. The best method with flower seeds is to sow seeds in flats, which are placed in the frame. With manure heated beds, seeds should not be sown until the temperature of the newly made bed has dropped to 90 degrees. Watering and ventilation are important. On sunny spring days, always prop up one end of the sash to prevent overheating, which may occur quickly and cause spindly growth. Do not allow the soil to dry out. When the seedlings have made true leaves, they should be transplanted to other flats, spaced two inches apart each way; or to the soil in the hotbed, or to an outdoor location, if late enough.

GARDENING BOOKS

All Books on This Page Postpaid

10,000 GARDEN QUESTIONS. F. F. Rockwell, editor. Answered by 15 experts. Real questions from real amateurs, with brief, authoritative answers. Among them you will find the solutions to your problems . . . Helpful diagrams and illustrations supplement the text . . . A quick-action index places all the information at your finger tips. 1467 pages. Hundreds of specially drawn illustrations $4.95

GARDEN FLOWERS IN COLORS. By Daniel J. Foley. The 350 brilliant and lifelike color plates of flowers contained in this book make it the greatest value that has ever appeared in picture books. Valuable as a means of identifying garden flowers. 320 pages. $2.95

MODERN FARMER'S CYCLOPEDIA OF AGRICULTURE. By Earley Vernon Wilcox. This book contains detailed directions for the culture of every important field, orchard and garden crop, grown in America together with descriptions of their chief insect pests and fungus disease and remedies for their control. It contains an account of modern methods in feeding and handling all farm stock including Poultry, Farm Manures, Fertilizers, Principles of Feeding, Feeding value of crops and feeds and Dairy Farming. Illustrated. 511 pages. Price $4.50

COMMERCIAL FLOWER FORCING. By Laurie and Kiplinger. Fourth Edition. The object of this concise treatise is to cover the fundamentals involved in the growing of various flower crops used for commercial purposes and deal with them from the viewpoint of practical culture. The treatments recommended follow the routine practice of the better growers, supplemented by a vast volume of experimental work done under the experienced supervision of the authors. 49 illustrations. 598 pages. $4.75.

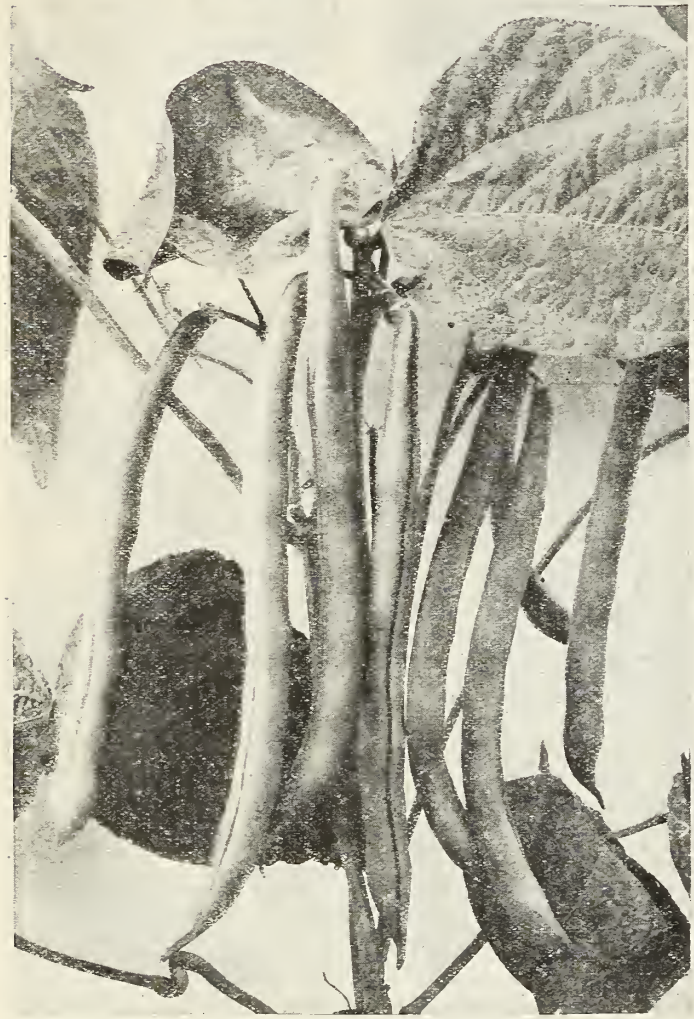
GARDEN ENCYCLOPEDIA, AN ENCYCLOPEDIA OF GARDENING. Complete in one volume. Written by a group of American horticultural experts and edited by E. L. D. Seymour, B.S.A. A single big volume that gives you the scope and contents of a whole shelf full of garden books. More complete, more detailed, more understandable, more usable than any other garden book ever prepared. 1300 pages. 750 illustrations including 250 photographs. New edition $5.00

GREENHOUSE GARDENING FOR EVERYONE. By Ernest D. Chabot. Here for the first time is a book giving the principals of gardening under glass in down-to-earth language. Every phase is covered from a 2x4 cold frame to a small or large heated greenhouse. 266 pages. $3.50.

PROPAGATION OF PLANTS. By Kains and McQuesten. A complete guide for professional and amateur growers of plants by seeds, layers, grafting and budding, with chapters on nursery and greenhouse management. In direct, simple language it discusses all phases of the subject, explains technical and scientific terms and tells clearly the how and the why of all processes. 639 pages. $4.00.

GARDEN SOILS—THEIR USE AND CONSERVATION. By Arthur B. Beaumont. This book was written to bridge the gap between the many excellent ones on soil science and on the culture of vegetables. It is primarily for home gardeners, the largest single group of tillers of the soil, that they may take advantage of the findings of soil science and of recent advances in knowledge of plant nutrition. Illustrated. 280 pages. Price $3.50

Vaughan's Vegetable Seeds



B-27 GREEN POD BUSH BEAN, LONGREEN. Pkt., 15c.

Artichokes

A-1 Artichoke Green Globe. A perennial with edible blossoms that mature second year after planting. It will not stand hard freezing and requires renewing every few years. Pkt., 25c; ½ oz., 75c; oz., $1.50.

Asparagus

Seed Planting. Seed will produce a crop in three years. One ounce produces 300 plants.

Roots will produce a crop in two years.

Plant roots two feet apart in rows four feet apart.

A-4 Mary Washington. Most recommended and a rust-proof strain. Pkt., 15c; oz., 45c; ¼ lb., $1.10.

A-5 Paradise. Heavy yielding, producing crop in two years. Pkt., 15c; oz., 65c; ¼ lb., $1.75.

2 Year OldRoots	Doz.	100	1,000
Mary Washington	$1.00	$3.75	$32.00

If by mail, add postage as follows: 100, 50c.

Two Pounds Prepaid

Catalogue prices of peas, beans and sweet corn include prepayment on lots up to and including 2 pounds. For postage charges on larger lots, see Page 96.

Best of the Beans for Home Gardens

Gold Medal Winner

SQUASH

S-39 Caserta. The first All-America Gold Medal Winner for Vegetables since 1935. This fine squash was developed by Dr. Lawrence C. Curtis, of the University of Connecticut Experiment Station. It is of the Italian Cocozelle, summer bush type. Caserta bears a week earlier and keeps piling its fruit up in the center of the plant for practically daily picking. It is light yellow, irregularly striped with green, delicious and attractive when served the size of a fat banana or a cucumber. It is much more prolific than Cocozelle, more valuable for garden, market or shipping. Just a few plants will supply a family over a long season; boiled, baked, stuffed, served with cheese or any method for preparing summer squash. Packet, 25c.

QUALITY in beans is measured by stringlessness, by tenderness, or the absence of fiber or "linen" in the pod; by ability to produce well under favorable or adverse conditions and by the length and shape of pod. Round-pod beans are considered of superior quality, while flat-pod varieties excel in yield.

One week before frost proof date, sow bush beans two inches deep, 2-4 inches apart, pole beans, 4-6 inches apart. Harvest pods before seeds form. If picked clean, plants will bear until frost; but young plants yield best and succession plantings are advised.

B-34 Rival. 52 days. An excellent new introduction that surpasses the present popular varieties in both yield and quality. See Novelty Page 4. Pkt. 50c.

B-26 Logan. 52 days. A tendergreen type of bean that bears long, straight, stringless pods and under adverse growing conditions will outyield Tendergreen. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

B-27 Longreen. 52 days. A bean of excellent quality that has round pods of great length. All America honorable mention, 1946. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

B-40 Tendergreen. 52 days. Good sized bush bearing long round pods of excellent color. The pods are straight and stringless and average 6 in. long and ⅜ in. through. Does best in black loam soil. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

B-38 Streamliner. 55 days. This is among the most productive of the bush types. The plants bear 7 in. long, ½ to ⅝ in. wide, fleshy pods. The quality is excellent; stringless, nearly fiberless, fleshy, round to flat, straight. Seed clear white, kidney shape, excellent as dry bean and outstanding for baking. Does well in medium heavy soil. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

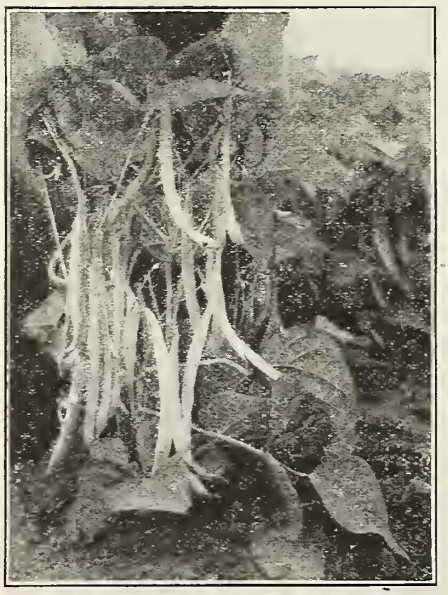
B-5 Bountiful. 49 days. The earliest flat pod variety and extremely popular in the home garden because of its productivity and early maturity. Pods are a clear light green, wide, flat, fleshy, slightly fibrous, but entirely stringless, brittle and tender. The seeds are a solid straw color or brownish yellow. Does well in any soil. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

B-30 Plentiful. 51 days. A large bush type bean with flat pods that resist rust. The pods are longer than Bountiful and a darker green but they carry a varnished shade not desirable for canning. Does best in medium heavy soil. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

B-16 Giant Stringless Green Pod. 53 days. Very similar to Landreth's Stringless, but pods a little more curved and more fleshy with more indentation between the beans. Stringless, tender, good flavor, good canner and home garden sort. Does best in heavy soil. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

B-39 Stringless Green Pod. (Landreth Stringless). 50 days. Medium sized bush, productive, bearing long, round pods of good color. Stringless, fleshy and nearly straight. Good quality and very popular as canner. Does best in heavy clay soil. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

B-4 Black Valentine Stringless. 52 days. Medium sized bush bearing fine long absolutely round, stringless, attractive uniform pods. Excellent shipper and selected by many market gardeners as the best quality early shipper. Does best in heavy soil. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.



B-38 GREEN POD BUSH BEAN STREAMLINER Pkt., 15c.

Inoculate Bean Seed.

To stimulate growth, use culture of nitrogen secreting bacteria. Garden size, sufficient for 5 lbs. of seed of peas, beans, lima beans and sweet peas, 15c.

For Soy Beans, special culture, sufficient for 120 pounds, 30c, for 5 bushels, 50c; for 25 bushels, $2.25.

Pole Beans

POLE varieties are less hardy than the bush varieties, and must not be planted until the weather is settled and the ground warm. Set the poles about two to three feet apart, and in each hill plant six to eight beans, thinning to the four strongest. A package plants 15 hills; 1 lb., 100 hills.

B-21 Kentucky Wonder or Old Homestead. **65 days.** The leading pole bean, the best known and most widely used. The pods are fleshy and 7 to 10 inches long and stringless when young. Kept picked they will bear all season. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

B-22 Kentucky Wonder Wax. **65 days.** Unsurpassed within the wax-podded pole variety field. A very heavy producer of attractive, high quality pods. Also good for green shell beans. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., $1.15.

B-44 Burger's Stringless or White Seeded Kentucky Wonder. **63 days.** Popular because adapted to freezing and stringless. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

B-25 Lazy Wife or White Cranberry. **72 days.** Fine for snap or green shell beans. Also a good dry shelled bean. Pkt., 15c; ½ lb., 35c; lb., 55c, 2 lbs., 95c.

B-36 Scarlet Runner. **65 days.** Outstanding bean for its ornamental purposes but may also be used for green shell beans. Has large beautiful scarlet blossoms. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

B-48 Yard Long or Asparagus Bean. **65 days.** Bears a long, round pod of 18 to 28 inches long, ¼ inch in diameter, light green, nearly round, fleshy, good quality when young. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

B-10 WAX-POD BEAN CHEROKEE. Pkt. 25c.

Best Wax-Pod Varieties

B-10 Cherokee. **53 days.** Originated by the South Carolina Experiment Station, this won an All America award for 1948. The plants are vigorous, prolific, uniform, with long, straight, and meaty golden yellow oval pods of good quality. Pkt., only 25c.

B-17 Golden Bountiful Wax. **53 days.** Plants large and very productive. Pods deep yellow, wide, thick, flat, fleshy and stringless. Seed purplish black. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

B-18 Gold Standard Wax (Davis Stringless). **52 days.** Plant medium large and fairly productive. Pods 6 in. long, ½ inch wide, thick, flat, stringless, straight, some fiber. Good color and quite hardy. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

B-29 Pencil Pod Wax. **52 days.** Plant large, strong, and bears an abundance of pods over a long period making it excellent for home garden use. Pods 6 in. long, 5/16 in. broad. Nearly round, stringless, straight, fleshy, free from fiber and excellent quality. Seed oblong, slightly flattened. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

B-35 Round Pod Kidney Wax (Brittle Wax). **55 days.** Very desirable for both home garden and canning trade. Plant medium large, erect, vigorous and productive. Pods waxy light yellow, 5½ in. long, ⅝ in. thick. Round, fleshy, brittle, stringless and without fiber. Seed white, blackish eye, kidney shape. Does best in medium heavy soil. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

B-41 Top Notch Golden Wax. **52 days.** A superior type to the old Improved Golden Wax. Very productive and compact plant. Creamy yellow pods that are straight, oval, stringless and brittle. 5 inches long, ½ inch wide. Seed solid white with brown eye. Pkt., 15c; ½ lb., 35c, lb., 55c; 2 lbs., 95c.

B-43 Unrivalled Wax. **52 days.** Medium size bush of upright growth bearing profusely of rich waxy yellow pods, 5 in. long, ⅜ in. wide; flat and fleshy, brittle, stringless in early stage. Seed small, long, round, yellowish brown. Does best in medium light soil. Pkt., 15c; ½ lb., 35c, lb., 55c; 2 lbs., 95c.

Luxury Lima Beans

LIMAS should be planted with the eye down. The Bush Lima is more easily grown than the tall, and is earlier and more economical of space, but the Pole Limas yield better. One week after frost proof date sow seeds two inches deep, and thin plants of small seeded bush and all pole varieties to stand 6 inches apart, all large seeded bush to stand one foot apart. Plants kept picked clean will bear until frost.

BUSH

B-31 Triumph. **73 days.** All America winner, 1949. A new type that is in between Fordhook and Baby Fordhook in size, and which gives a heavy yield under adverse conditions. Of fine quality, especially suited to freezing and canning. See Page 5. Pkt., 25c.

B-15 Fordhook No. 242. **75 days.** We recommend this variety in preference to Fordhook Bush, which it resembles in size and quality, but which it will outyield under adverse conditions. Pkt., 20c; ½ lb., 45c; lb., 75c, 2 lbs., $1.25.

B-14 Fordhook Bush. **75 days.** Plant is large, erect and heavily productive. The seeds are large, white, very thick and plump. Highly adapted to freezing. Pkt., 20c; ½ lb., 45c, lb., 75c, 2 lbs., $1.25.

B-42 USDA No. 2 Henderson. **65 days.** Popular as an early home garden variety. Pods short, flat, containing 3 to 4 small oval beans. Green shell beans of excellent quality. Plant medium size and heavily productive. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., $1.10.

B-2 Baby Fordhook. **72 days.** Small plant with vigorous branch and leaf growth. Foliage darker than Fordhook and more productive. Excellent small thick beans for canning and freezing. Cross of Fordhook and Henderson. Pkt., 20c; ½ lb., 45c, lb., 75c; 2 lbs., $1.25.

B-6 Burpee's Improved Bush. **75 days.** Plant large and spreading and quite productive. Pods broad, flat, usually with 4 large thick greenish seed. Pkt., 20c; ½ lb., 45c, lb., 75c; 2 lbs., $1.25.

B-7 Cangreen. **65 days.** A new green seeded Henderson type of lima well adapted for freezing. Pkt., 20c; ½ lb., 45c, lb., 75c, 2 lbs., $1.25.

POLE

Packet plants, 15 hills; lb., 100 hills

B-24 King of the Garden. **85 days.** Outstanding pole lima for heavy production and climbing ability. Numerous large pods filled with 5 to 6 large beans of excellent quality. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

BABY FORDHOOK. Pkt., 20c.

USDA 2 Henderson, Pkt., 15c.

Edible Soy Beans

Soy Beans have proteins, 36.5%; fats, 17.5%; compared with Navy Beans' proteins, 22.7%; fats, 1.5%. They are esteemed highly as a food for diabetics.

B-3 Bansei. **90 days.** Most recommended for northern districts. Pods turn from a pale green to a pale greenish yellow. Pkt., 10c; ½ lb., 30c; 1 lb., 50c; 2 lbs., 75c.

COMMERCIAL BEANS

B-19 Great Northern. **90 days.** Hardier and heavier vine than the Navy, having a longer pod and larger beans. One of the most important dry edible commercial beans grown. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

B-28 Michelite. **95 days.** White Navy or Boston Pea-Bean (Michigan Navy). Resistant to mosaic and bacterial blight. It is the most widely known and grown of the commercial beans. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

SHELL BEANS

B-9 Dwarf Horticultural (Speckled Cranberry). Plant medium size, fairly productive. 60 days for green shell and 90 days for ripe shell. Pods dark green becoming yellow splashed with carmine. Pods 5 in. long, ⅝ in. wide. Nearly round at green stage, stringless but having fiber. Seeds full oval, pinkish buff. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

B-12 English Broad Windsor. **80-90 days.** Stalks tall slender, pods green hairy, 5 to 6 in. long, containing 4 to 6 beans. Green shell beans, large flat, light green. Dry seed large, circular, flat, reddish brown with black eye. Will stand freezing and should be planted early in the north. Pkt., 15c; ½ lb., 35c, lb., 55c; 2 lbs., 95c.

B-32 Red Kidney. **95 days.** Plant is large, vigorous. Pods 5 in. long, ½ in. broad. Dark green, oval, flat, stringy, tough. Seed dark, reddish brown. Pkt., 15c, lb., 50c, 2 lbs., 85c.

B-45 White Kidney. **100 days.** For dry shell use only. Pods 5½ in. long. Seed long, white, kidney shape. Kidney types as well as field types do well on any medium heavy soil. Pkt., 15c; lb., 50c; 2 lbs., 85c.

B-46 White Marrow. **100 days.** Plant large with semi-runners, hardy. Pods 5 in. long, ½ in. in diameter. Seed white, oval, short. Pkt., 15c; lb., 50c; 2 lbs., 85c.

All the Better Beets

BEET GREEN TOP BUNCHING.
Pkt., 15c; ½ oz., 25c.

Mangel Wurzel

MANGELS are an excellent crop for a source of feed for dairy and poultry farms. Both Mangel and Sugar Beet seed are in great demand for planting in Europe. Our types are equally suited for European and home production. Sow in May or June, 6 lbs. to the acre, in rows 2 feet apart, and thin to nine inches.

B-89 Mammoth Long Red. Largest and heaviest cropper of long red sort. Light red, flesh white tinged with rose. Pkt., 15c; oz., 30c; ¼ lb., 75c., ½ lb., $1.25.

SUGAR BEETS

B-93 Klein-Wanzleben. The most desirable beet for sugar manufacture; valuable also for stock feeding. Roots medium large and good keeper. Wedge shape tapering to tail. Pkt., 15c; oz., 30c; ¼ lb., 75c; ½ lb., $1.25

Collards

THIS is a relative of the cabbage which produces green leaves of cabbage flavor, and having a much higher vitamin content. It produces edible leaves in 45 days. Due to almost a complete failure of the new crop Collard seed is very scarce.

C-99 Cabbaging. 75 days. A desirable type producing rather compact plants 1½–2 feet high. Large loose clusters of leaves which often tend to head. Pkt., 15c; oz., 35c; ¼ lb., 95c.

C-100 Georgia. 75 days. Non heading and very generally grown for greens in the south. Plant 2–3 feet tall, erect, spreading. Pkt., 15c; oz., 35c; ¼ lb., 95c.

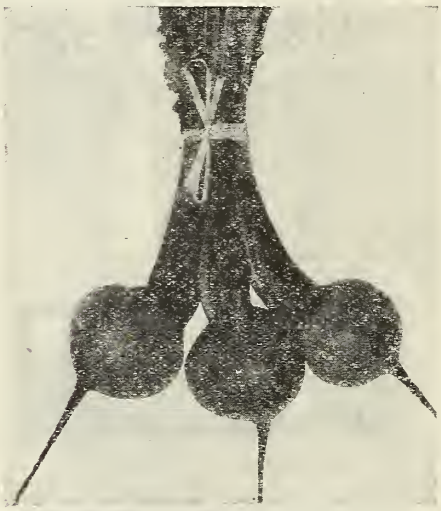
QUALITY in beets is measured by an even, globular shape, uniformity in size, bright, even color, flavor, fine texture and tenderness. Here, as with all vegetables, the difference between a fine and a mediocre strain of one variety may be as great as between different varieties.

Our best seed is grown only from transplanted roots, which are taken up in the fall, carefully graded, and transplanted again to produce seed. Only beets which conform to the highest quality standards are planted for seed.

All beets keep well in winter when properly stored. A special sowing should be made in midsummer to produce the storage crop.

As soon as soil can be worked in the spring, sow one seed to the inch, in drill half inch deep. Firm soil well over seed and water well if required. Thin when roots begin to make globes, to stand 4 inches apart in row. Cook discards with their tops.

Quantity needed to sow: 15 ft. row, 1 pkt.; 60 ft. row, 1 oz.; acre, 7 lbs. (Rows 18 in. apart).



B77 BEET PERFECTED DETROIT. Pkt., 15c.

B-77 Perfected Detroit. 55 days. In this improved strain of Detroit Dark Red the fine qualities which have made that variety standard for main crop sowing have been strengthened by careful breeding. It is earlier and almost spherical in shape. The tops are taller than Regular Detroit and the leaves are green tinged with red. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c.

B-76 Detroit Dark Red. 55 days. A strikingly uniform strain producing a very smooth globe shaped root of a very dark red inside and out. Tops are intermediate in height, uniform, refined, dark green becoming tinged with red. It is sweet and remains tender until maturity. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c.

B-75 Crosby's Egyptian. 53 days. This early variety has long been a home garden favorite. It is exceptionally tender and sweet, of a deep red with some light zoning, and fine texture. Tops are of medium size and the roots of a flattened globe shape, excellent in table quality. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c.

B-82 Winter Keeper (Long Dark Blood). 75 days. Roots long, smooth, dark red, tapering to a point, 7-in. long, remaining tender in storage. A fine winter keeper that is superior for pickles. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c.

B-80 Green Top Bunching. 55 days. An early extremely attractive bunching beet that we recommend as the best all purpose beet. Tops medium sized, and erect. Foliage grayish-green that does not turn red or brown in fall. Roots round, smooth and glossy, slightly flattened when fully mature; flesh bright blood red. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c.

B-81 Improved Early Egyptian. 45 days. The best variety for forcing and first early crop. Roots are very dark red, rounded on top, flat beneath, small tops. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c.

Green Broccoli

BROCCOLI has been given new importance by the disclosure that because of its green coloring it is far richer in vitamins than white cauliflower, which it resembles in flavor. It is also a much easier subject for the amateur than cauliflower, and has a much longer season of harvest. It survives light frosts and produces well in the cool autumn weather.

Sow outdoors with earliest crops, transplant or thin out 18 inches to 2 feet apart. Protect from aphids and cabbage worms. After center heads are cut, each branch will produce a head, harvest lasting until killing frost.

B-96 De Cicco. 65 days. (see page 6). Pkt., 25c, ½ oz., 45c; oz., 80c; ¼ lb., $1.95.

B-95 Italian Green Sprouting. 70 days. An outstanding strain that is highly recommended for freezing. After its large center heads are harvested, smaller heads 2 inches in diameter form at the end of lateral branches. It continues to bear for eight to ten weeks. Pkt., 15c; ½ oz., 35c, oz., 65c; ¼ lb., $1.65.

Brussels Sprouts

BRUSSELS SPROUTS are miniature cabbages formed on a plant stalk. The delicate flavor is improved by a touch of frost and it is usually as a fall crop, sown in June.

B-98 Improved Dwarf. 80 days. Grows 18 to 30 inches high producing compact sprouts, 1 to 2 inches in diameter; grayish green in color. Hardy, early. Pkt., 15c, ½ oz., 50c; oz., 95c.

B-99 Long Island Improved. 90 days. Plant dwarf and compact; 20 in. tall; very uniform; stem well covered with firm, round cabbage-like balls of 1¼–1½ in. diameter which mature in succession. Pkt., 15c; ½ oz., 50c; oz., 95c

BRUSSELS SPROUTS

Yellows Resistant and Standard Cabbage

WHEREVER the temperature of the soil rises to 85 degrees and remains for several days, there is danger of the yellows disease, and when it strikes, a crop failure may result.

In the great cabbage growing district centering around Racine and Kenosha, Wisconsin, an industry has been saved by developing strains of cabbage resistant to yellows. We offer seed of these strains, which have been developed by years of scientific work, and actual growing tests. The uniformity and yield of resistant strains have greatly improved. We recommend their use wherever danger of yellows may exist. If the disease strikes, resistant strains will show slight loss, where non-resistant types would probably be destroyed.

Cabbage Culture: After frost proof date, set out plants for early crop. Late varieties may be sown outdoors in June. Space small early types 12 inches apart, medium 18 inches, large late 2 feet. Water well and protect from worms and aphids.

Yellows Resistant Varieties

C-13 Golden Acre Resistant. (Resistant Detroit). 60 days. An excellent round head resistant early cabbage It will produce good crops on "yellows" sick soil where regular Golden Acre cannot do well and is only a couple of days later. Pkt., 25c; ½ oz., 65c; oz., $1.00; ¼ lb., $3.00.

JERSEY QUEEN CABBAGE, Yellows Resistant. Pkt., 25c.

C-15 Jersey Queen. 60 days. As near a true Jersey Wakefield as is possible to select in type and earliness. Exceptionally resistant to yellows. This is one of the earliest resistant strains to mature and is recommended to the home gardener where a cabbage for summer salads is desired. Pkt., 25c; ½ oz., 65c; oz., $1.00; ¼ lb., $3.00.

C-24 Wisconsin All Head Early. 80 days. This is a midseason resistant variety which will stand for a long time without bursting and is nearly 100% resistant. Pkt., 25c; ½ oz., 65c; oz., $1.00; ¼ lb., $3.00.

C-25 Wisconsin All Seasons. 90 days. Either a kraut or home variety, but is used more for kraut than any other purpose. Pkt., 25c; ½ oz., 65c; oz., $1.00; ¼ lb., $3.00.

C-28 Wisconsin Ballhead. 100 days. A highly perfected strain of yellows-resistant cabbage. A good keeper, of finer texture and matures earlier than Wisconsin No. 8. Pkt., 25c; ½ oz., 65c; oz., $1.00; ¼ lb., $3.00.

C-1 Bugner. 100 days. A winter variety which is our most popular variety with market growers in the Chicago area. Our own strain has been selected for resistant qualities over many years. Pkt., 25c; ½ oz., 65c; oz., $1.00; ¼ lb., $3.00.

C-30 Racine Market. 64 days. Large, round headed uniform cabbage of Golden Acre type with characteristic blue green color Will remain in field longer than other early cabbage without splitting. See Novelty Page 6. Pkt., 25c; ½ oz., 65c; oz., $1.25; ¼ lb., $4.25.

C-16 Marion Market. 75 days. Yellows resistant strain of Copenhagen Market. Larger and coarser in plant and not so early nor so uniform as the original strain, but with the round head and crisp tenderness of the parent cabbage. Will produce a normal crop on yellows infested soil where nonresistant strains fail completely. Pkt , 25c; ½ oz., 65c; oz., $1.00; ¼ lb., $3.00.

C-10 Globe. 75 days. The resistant Glory of Enkhousen is but 3 or 4 days later than Copenhagen, of excellent flavor. You who think that there is no difference in the flavor of cabbage, should compare a mature Globe with any other cabbage. Pkt., 25c; ½ oz., 65c; oz., $1.00; ¼ lb. $3.00.

CABBAGE YELLOW RESISTANT MARION MARKET

MAMMOTH ROCK RED CABBAGE. Pkt., 15c

STANDARD CABBAGES

C-4 Copenhagen Market Extra Early. 62 days. Earliest of the large heading cabbages, maturing even before the conical types, this select strain is of unique value both to home and market growers. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., $2.25.

C-12 Green Acre. 70 days. A round heading variety which instead of bleaching in the hot sun holds to the bursting stage its rich green color, indicating richness in Vitamin A Smooth, solid, of fine texture and flavor; heads 3 to 4 pounds. Pkt., 15c; ½ oz., 45; oz., 75c; ¼ lb., $2.25.

C-9 Early Jersey Wakefield. 62 days. This extra early conical shaped head cabbage is a specialty with us. The heads are hard, the outside leaves small, so that close planting is possible. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., $2.25.

C-11 Golden Acre. 60 days. The earliest round headed cabbage; especially valuable to the market gardener for early shipping. The plants are small and compact allowing close setting; the stem short and heads uniformly round and firm Interior clear white and of excellent quality. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb , $2.25.

C-6 Danish Ballhead Short Stem. (Dwarf Amager). 105 days. Heads large, flattened globe shape; very firm and solid of splendid quality and keep very well in storage. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., $2.25.

C-21 Penn State Ballhead. 105 days. Yields as high as 26 tons per acre have been recorded. Pkt., 15c; ½ oz., 45c; oz , 75c; ¼ lb., $2.25.

C-23 Premium Flat Dutch. 110 days. Seed may be sown in the open ground and plants raised without the use of hotbeds Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., $2.25.

Here's Table Quality in Cabbage

C-3 Chieftain Savoy. 88 days. You seldom see it in the markets, but friends who know European cooking will tell you how delicious Savoy Cabbage tastes, stuffed with sausage, or cooked in other ways The flavor is more delicate than white cabbage, and the head not so tight and hard, so it does not keep as well. Pkt., 20c; ½ oz., 45c; oz., 80c; ¼ lb., $2.40.

Red Cabbage

Valued for Distinctive Flavor

C-14 Haco. 75 days. An early, round head, very hard, 6 inches through, weighing 4 lbs. One of the earliest reds of quality. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., $2.25.

C-17 Mammoth Rock Red. (Long Island Strain). 95 days. The hardiest and largest heading red cabbage. Round, very solid and of a deep red color, often weighing up to 12 pounds each. Pkt., 15c; ½ oz., 45c; oz., 75; ¼ lb., $2.25.

C-22 Red Yellows Resistant. 100 days. Not as large as Mammoth Rock Red, but darker and more uniform color. Pkt., 25c; ½ oz., 65c; oz., $1.00; ¼ lb., $3.00.

PAOTING. Pkt., 15c. PE TSAI. Pkt., 15c.
Quantity needed for 30 ft., 1 pkt.; 200 ft., 1 oz.

Chinese Cabbage

Chinese cabbage should be sown in late June or early July and not before.

C-26 Celery Cabbage Michihli. 90 days. An excellent 1948 introduction, remarkable for its uniformity, quality and ability to head 100 per cent Pkt , 25c.

C-20 Celery Cabbage Pe Tsai. 90 days. From seed sown in late June or early July it produces slender, tight heads 6x18 inches, bleached in center with tips green. Makes delicious salad raw and has delicate cabbage flavor cooked without odor. Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., $1.45.

C-19 Celery Cabbage Paoting. 90 days. Genuine "Wong Bok" type. Will mature firm heads through the summer months. It has produced heads weighing 15 pounds and stands long before going to seed. It is the largest of the Chinese Cabbages Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., $1.45.

Early Cauliflower

HOME gardeners will find cauliflower not difficult where conditions are right When plants are set out in late June or early July to mature in October, there is seldom any question of getting fine, large heads

Quantity needed for 150 plants, 1 pkt.; for 1,500 to 2,000 plants, 1 oz.

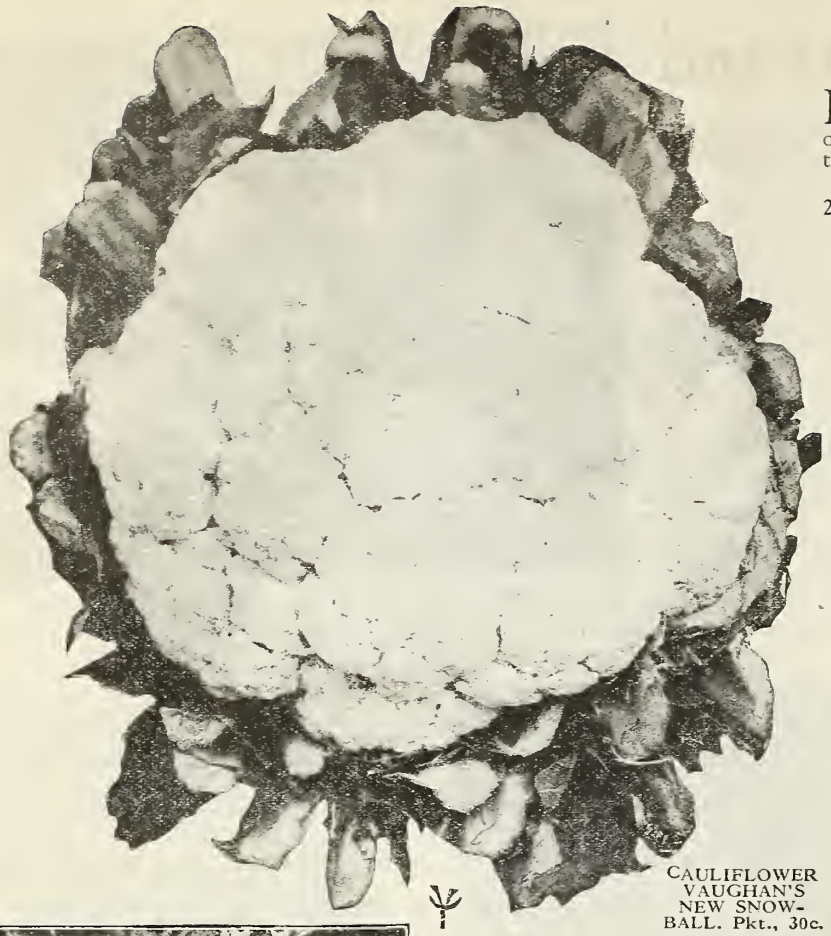
C-66 Ideal. All American winner 1949. See Novelty Page 5. Pkt., 50c.

C-65 Vaughan's Select Snowball. 55 days. Improved strain of our New Snowball, early, dwarf, compact, producing solid white heads which measure 9 to 10 inches across and have a perfectly white core. Its heads are more uniform in size, and there are more leaves for protection in bleaching. Pkt., 40c; ¼ oz., $1.25; ½ oz., $2 25.

C-64 Vaughan's New Snowball. 60 days. A well grown head measures 9 to 10 inches across, with depth in proportion, and a perfectly white core. Dwarf and compact in growth, though taller and slightly heavier yielder than Select. Pkt., 30c; ¼ oz., $1.15; ½ oz., $1.95.

C-63 Dry Weather Cauliflower. 60 days. This variety will stand the heat of midsummer better than the other cauliflower. If planted late in May, it will produce a large beautiful head in fall, weighing approximately 2 lbs. Pkt., 30c; ¼ oz., $1.15; ½ oz., $1.95.

C-61 Autumn Giant. A large heading late fall sort not recommended for northern districts. Pkt., 25c; ¼ oz., 50c; ½ oz., $1.00; oz., $2.00.



CAULIFLOWER VAUGHAN'S NEW SNOWBALL. Pkt., 30c.

SEEDLESS CUCUMBERS

Cucumbers without seed, obtained by spraying blossoms with SEEDLESS SET hormone, are not only superior in quality, but remain much longer in top condition. Apply with any sprayer to flowers of tomatoes, cucumbers, peppers, egg plants. Fruits produced by blossoms fertilized by spray are **seedless**, of premium quality. Developed by famous Boyce-Thompson Institute. ½ oz., treats 100 plants, **$1.00**; 2 oz., **$2.50**; 20 oz. **$7.50**, all prepaid.

Green Celery Best for Vitamins

CELERY is often thought to be difficult to grow. Every home gardener whose soil is sufficiently light and rich to produce good Cabbages may easily produce a family supply of this most welcome delicacy. Start the seed indoors and set the plants out around the middle of June. Eight inches apart for the early kinds and a foot for the winter varieties. Do not work over the plants when they are wet with dew or rain.

Vaughan's Celery seed is of the finest strains in the world and is used by market gardeners selling to the most exacting trade.

Quantity needed for 400 to 500 plants, 1 pkt.; 8,000 plants, 1 oz.

CELERY SUMMER PASCAL. Pkt., 25c.

GREEN

C-72 Easy Blanching Full Heart. 110 days. An early variety of erect, compact growth, blanching easily. Stalk is medium large and solid, crisp with no fiber and excellent flavor. Good winter keeper. Recommended for early storage for hearts. A very fine home garden type. Pkt., 25c; ½ oz., 65c; oz., $1.00.

C-86 Summer Pascal. 120 days. One of the most popular green varieties, used without bleaching. Recommended for home and nearby markets, but is too tender and brittle to stand long distant shipping. Resistant to blight. Stalks are long, solid, crisp, stringless and of excellent quality. Pkt., 25c; ½ oz., 65c; oz., $1.00.

C-80 Utah Pascal. (Salt Lake). 125 days. A green variety recommended for fall use, maturing earlier than Giant Pascal. Stems thick, solid, broad rounded and of fine quality. Pkt., 25c; ½ oz., 65c; oz., $1.00.

C-74 Giant Pascal. 135 days. A tall late green celery of excellent quality. Leaf stalks round, thick and solid. A very fine variety for fall and winter use. Pkt., 25c; ½ oz., 65c; oz., $1.00.

YELLOW

C-75 Golden Detroit. 90 days. The plants are heavy, compact and full hearted. This is a pure line selection of the Dwarf Golden Self-Blanching type which accentuates the good points of that variety. Pkt., 25c; ½ oz., 65c; oz., $1.00.

C-71 Cornell No. 19. About 110 days. Cornell University developed this cross between Utah and Golden Self Blanching, which combines qualities of the Pascal type with the early, easy blanching character and color of the Golden Self-Blanching strains. Averages 18 to 20 inches, hearts long and full, stems thick, rounded and smooth. Pkt., 25c; ½ oz., 85c; oz., $1.85.

C-79 Michigan Golden. 100 days. Developed at Michigan State Agricultural College, resistant to "Fusarium Yellows," bred from the tall strain of Golden Self-Blanching. Pkt., 35c; ½ oz., $1.25; oz., $2.50.

Golden Self Blanching. Dwarf bunches with broad, heavy stalks, blanch into a rich, appetizing, golden yellow. Though the stalks are heavier than white varieties, its sweetness, tender crispness, delicious flavor and absence of strings make it a favorite. The French originators of this type have introduced a re-selected strain earlier and stronger growing than the older type.

C-78 Tall Strain. French type. Pkt., 20c; ½ oz., 85c; oz., $1.85.

C-77 Dwarf Strain. American-grown. Pkt., 20c; ½ oz., 85c; oz., $1.85.

C-76 Golden Plume. A selection from or a cross with the Golden Self-Blanching, it is more vigorous and withstands head and blight better. It is a beautiful gold in color, brittle and of the highest table quality. Pkt. 20c; ½ oz., 85c; oz., $1.85.

CHERVIL

C-93 Chervil. 70 days. Similar to parsley, but of more delicate texture. Leaves bright rich green; finely divided and curled; pungent, aromatic; used for garnishing and flavoring. Pkt., 15c; oz., 30c; ¼ lb., 75c.

Celeriac TURNIP ROOTED CELERY

THIS vegetable deserves wider cultivation. Cooked and prepared as a salad, or used to flavor meats, it has a rich celery flavor. The roots keep well in winter. Recipes for preparing enclosed upon request.

C-84 Large Smooth Prague. About 120 days. A main crop variety. Pkt., 15c; ½ oz., 50c; oz., 85c; ¼ lb., $2.75.

C-51 CARROT TOUCHON. Pkt., 20c.

Slender, Tender Carrots

CARROTS have been improved in quality at the same time their valuc as a health food has been gaining wider recognition. In addition to color, size, shape, tops and season of maturity, our special strains are selected for sweetness, and the tenderness and even texture of the flesh, especially for a minimum of "corc." Scientists say the brighter the color, the more Vitamin A in carrots.

Sow as soon as soil can be prepared, in shallow drills, 5 seeds to the inch. Thin out when of finger size, and serve discards. Carrots will mature well growing close enough to touch, and remain delicious all season; but many prefer them young, and make several sowings.

C-49 Sweetheart. 70 days. Best quality home garden or market carrot. See Novelty Page 5. Pkt., 20c; ½ oz., 40c; oz., 70c; ¼ lb., $1.75.

C-51 Touchon. 70 days. From the time it is finger size and thinned out of the row in early spring, until it reaches full growth in the autumn, this variety excels in flavor, tenderness, even in yield, for home gardens. Its slender shape permits growing closer than thicker types and decreases the core which all carrots have even though you may not see it. Its flesh is fine grained, sweet and has bright orange coloring. Pkt., 20c; ½ oz., 40c; oz., 70c; ¼ lb., $1.75.

C-48 Red Heart. (Red Core Chantenay). 70 days. It has no visible core, but its rich red coloring is even throughout the flesh. The top is very strong, hence ideal for bunching. The root is of medium length, blunt, smooth and easily prepared for serving. Pkt., 15c; ½ oz., 40c; oz., 65c; ¼ lb., $1.50.

C-47 Nantes Half Long Scarlet. 70 days. An early variety is not surpassed in tenderness and sweetness. The tops are small, the roots bright orange, smooth and cylindrical, 6 to 7 inches long. There is almost no core. Pkt., 15c; ½ oz., 40c; oz., 65c; ¼ lb., $1.50.

C-50 Table Queen. 70 days. Half-long type, rich red, tender, crisp and one of the sweetest we know. Pkt., 15c; ½ oz., 40c; oz., 65c; ¼ lb., $1.50.

C-45 Improved Chantenay. 75 days. A strain of Early Chantenay which resembles the original type in most respects except that it averages 1½ to 2 inches longer and has sloping shoulders. Pkt., 15c; ½ oz., 40c; oz., 65c; ¼ lb., $1.50.

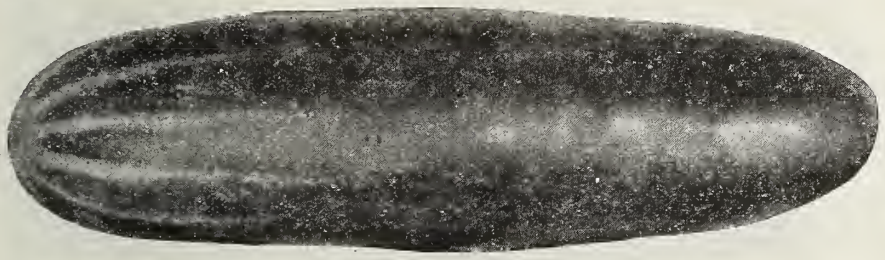
C-42 Guerande or Oxheart. 70 days. Of rapid growth, often attaining a weight of ½ pound. It is thick shouldered, short and top-shaped; has a good flavor and is tender. A second early. Pkt., 15c; ½ oz., 40c; oz., 65c; ¼ lb., $1.50.

C-44 Imperator. 77 days. Has roots 7 to 8 inches long, slightly tapering and just enough top to bunch well. Color is deep solid orange all through. It is prolific and of high quality, brittle, tender, sweet. Pkt., 15c; ½ oz., 40c; oz., 65c; ¼ lb., $1.50.

CARROTS FOR STOCK

C-46 Improved Long Orange. 88 days. A good keeper of fine quality for winter use, extensively grown for stock feeding. Makes a large tonnage of feed for cattle or poultry. Pkt., 15c; ½ oz., 40c; oz., 65c; ¼ lb., $1.50.

C-52 Select Danvers. (Red Core). 75 days. A half-long type, averaging five and one-half inches in length, tapering to a blunt point. Greater yield per acre than any other. Pkt., 15c; ½ oz., 40c; oz., 65c; ¼ lb., $1.50.



C-171 CUCUMBER MARKETER. Pkt., 15c.

Home Garden Cucumbers

TWO distinct types of cucumbers are bred to fill the need for large fruits suitable for slicing to serve in salads, and the smaller, uniform, prolific, pickling varieties. Our special strains in both types are grown with the greatest care to insure that all standards of quality are maintained in your crop. **Quantity needed for 20 hills, 1 pkt.; 80 hills, 1 oz.**

Sow in hills three to six feet apart; six seeds 1½ inches deep to a hill, thinned three plants. Protect small plants from beetles. Water when needed, and keep vines picked clean.

C-186 Sensation Hybrid Cucumber. 65 days. An amazingly heavy bearing, top quality, slicing type. The fruits are dark green, medium long, with bright white flesh and a small seed cavity. The fruit is solid and will hold up very well. See Page 4. Pkt. (35 Seeds), 50c.

C-171 Marketer. 65 days. A variety of recent introduction producing very dark green, cylindrical fruits which taper slightly at ends. Fruits are about 8 inches long and 2¼ inches in diameter. White spined. An excellent market variety. Pkt., 15c; oz., 45c; ¼ lb., $1.45.

C-163 Delcrow. 73 days. A long, very dark green slicing variety; a recent popular introduction in Canada. Highly recommended for home garden use in northern sections. Pkt. 15c; oz., 45c; ¼ lb. $1.45.

C-167 Highmoor. 75 days. An improvement on Straight 8 that is resistant to scab. The fruits are darker than Straight 8 and borne in greater numbers. Originated by the Maine Experiment Station. Pkt., 15c; oz., 45c; ¼ lb., $1.45.

C-170 Mandarin. 45 days. Earliest of all. One of the best cucumbers for the home garden. In addition to being the carliest quality variety, it has proved to be resistant to the blight, due to its Chinese ancestry. Even the smallest vegetable plot can produce it in abundance without sacrificing ground space by letting the vines climb a trellis or fence. It bears for a long season; two plantings 20 days apart, will furnish the table with salad cucumbers all summer. Pkt., 25c; oz , 55c; ¼ lb., $1.75.

C-180 The Vaughan. 74 days. The largest of outdoor cucumbers, it is also of first table quality. Compared to other Long, White Spine varieties, it is much darker in color, more uniform in shape and size, thinner and more prolific. It is the ideal American forcing variety, as well as an outdoor sort. Pkt., 10c; oz., 45c; ¼ lb., $1.25.

C-160 A & C (Colorado). 68 days. A beautifully, long, slender, dark green cucumber of excellent shape and intense dark color, which is maintained longer than in any other variety. Fruit is inclined to taper, especially at stem end. Pkt., 10c; oz., 45c; ¼ lb., $1.25.

C-179 Straight Eight. 60 days. A white spine which produces a high percentage of fruits perfectly straight and 8 or more inches long. Pkt., 10c; oz., 45c; ¼ lb., $1.25.

C-172 Mincu. 45 days. Its fruits averaging 4½ inches long by 2 inches in diameter are suitable both for salad slicing and pickling. It bears from 8 to 10 fruits within a foot of the hill. Pkt., 10c; oz., 45c; ¼ lb., $1.25.

C-168 Improved Long Green. 68 days. Used for yellow chunk pickles. The fruit (12 in. long) has a distinctive flavor. Pkt., 10c; oz., 45c; ¼ lb., $1.25.

C-181 Arlington White Spine. 60 days. A heavy yielder, symmetrical, straight, 7 to 10 inches long. A great favorite in the south. Pkt., 10c; oz., 45c; ¼ lb., $1.25.

C-162 Davis Perfect. 65 days. Fine length, slim, dark green and crisp. The best blight resister of long sorts. Pkt., 10c; oz., 45c; ¼ lb., $1.25.

PICKLING CUCUMBERS

C-166 Quick Grow. 48 days. An outstanding introduction of ours that matures about a week earlier than Chicago Westerfield. It will usually mature before the early blight appears and oftentimes will yield a good crop when the later dry weather has cut the yield of the later varieties. Pkt., 10c; oz., 45c; ¼ lb., $1.25.

C-183 Chicago Westerfield. 58 days. Since we first introduced this pickle years ago, it has been a distinguished success. When ripe the fruit is medium size, blunt at both ends, has prominent black spines. Pkt., 10c; oz., 45c; ¼ lb., $1.25.

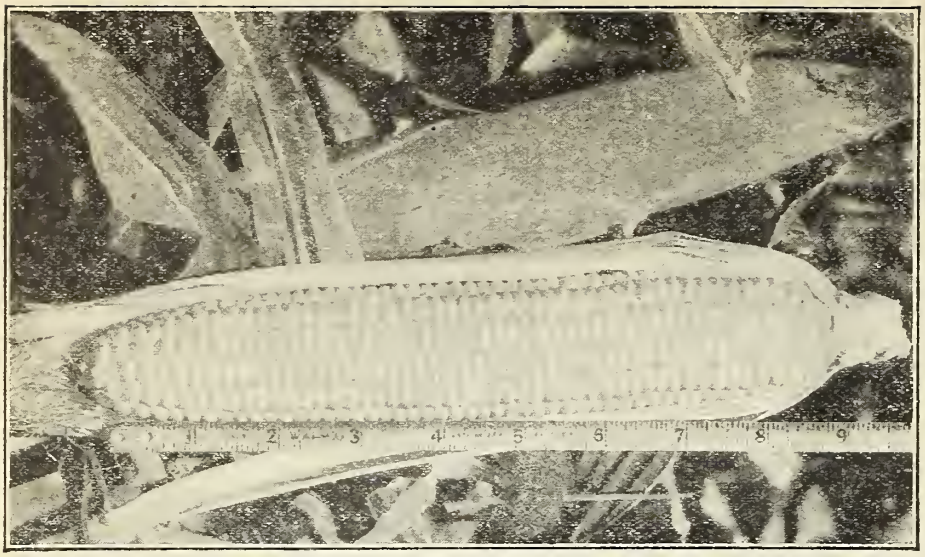
C-173 National. 56 days. The type is shorter than the Chicago Pickle and the fruit being smaller, blight does not sap the strength of the vine. Pkt., 10c; oz., 45c; ¼ lb., $1.25.

C-165 Boston Pickling. (Green Prolific). 58 days. Smooth, symmetrical pickle, very early and productive. Pkt., 10c; oz., 45c; ¼ lb., $1.25.

C-176 Shamrock Resistant. 65 days. Resistant to Mosaic, early, uniform and satisfactory as a slicer or small pickler. A white spine variety 6 to 8 in. long. Pkt., 15c; oz., 45c; ¼ lb., $1.25.

C-169 Japanese Climbing. 68 days. This is quite resistant to disease and insects. It is good quality and of dark green. Pkt., 15c; oz., 45c; ¼ lb., $1.25.

C-183 CUCUMBER CHICAGO WESTERFIELD. Pkt., 10c.



C-109 IMPROVED GOLDEN LABEL. Pkt., 15c; ½ lb., 45c; lb., 75c.

Leading Sweet Corn Strains

HYBRID sweet corn excels in three ways: Heavier yield, more even maturity, and resistance to Stewart's disease, and other troubles. Any open pollinated corn will mature unevenly and give edible ears from one planting over a longer period, which some may prefer. Our list has been revised to offer the best of both hybrid and open pollinated types, as proved by exhaustive tests in our trials.

A packet plants 40 hills; a pound, 400 hills; 12 lbs. an acre.

Sow two weeks before frost proof date, seeds two inches deep, three inches apart; to be thinned out to six inches; or six seeds to a hill, 2 to 3 feet apart according to variety's height, thinning to three plants per hill. Time succession sowings, two weeks apart.

HYBRID RESISTANT

C-109 Improved Golden Label. 83 days. A late variety of exceptional tenderness; due to the fact that the kernels are almost completely without hulls. This makes it unique in quality for freezing and canning. It is a great improvement over the original, having larger ears, with the kernels arrainged in straight lines. This is our best late hybrid. Ptk., 15c; ½ lb., 45c; lb., 75c; 2 lbs., $1.35.

C-108 Golden Cross Bantam. 79 days. Being equivalent in both season and quality to Golden Bantam, this continues to be the favorite hybrid variety among home gardeners. It excels in sweetness and tenderness, with a larger ear and more vigorous growth than Golden Bantam. The ear measures 7½ to 8 inches and has 12 to 14 rows of kernels. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., $1.35.

C-122 Surprise. (Improved Spancross). 64 days. 10 to 12 rows, golden yellow, ears 5½ to 6 inches. Stalks 57 to 60 inches tall and bear the ears 12 inches from the ground. This is the first early corn of good quality to mature. Pkt., 15c; ½ lb., 45c; 1 lb., 75c; 2 lbs., $1.35.

C-127 Golden Rocket. 65 days. See Novelty Page 5. Pkt. (2 oz.) 35c.

C-119 Our Choice. 68 days. This variety has been our most popular early for several years and has a flavor of the highest quality. It is heavy yielding, with a good size 12 row ear, and completely resiststant. For the home garden this would be our choice for an early. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., $1.35.

C-126 Wilson. 90 days. One of the best late varieties. Grows 76 inches tall, ears 8½ x 2 inches, 16 to 20 rows. Fine golden yellow grains, excellent flavor. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., $1.35.

C-117 Marcross 39. 75 days. A Golden 60 day crossed with Purduc Bantam. A very fine variety with an exceptional flavor that follows "Our Choice" in season. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., $1.35.

C-101 Bancross. 76 days. (Vaughan's Top Cross Golden Bantam). This variety is produced by crossing our Early Golden Bantam with Purdue Bantam. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., $1.35.

C-115 Ioana. 83 days. Productive variety, highly resistant to draught and wilt. Ears 7½ to 8 inches long, 12-14 rowed. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., $1.35.

C-116 Lee. 73 days. A second yearly, bearing large ears, very sweet and heavy yielding. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., $1.35.

Hybrid Sweet Corn Team

For an All-Season Harvest

As the best combination available in 1948 we have chosen these four varieties for our hybrid sweet corn team: Surprise, 64 days. Marcross, 72 days. Golden Cross, 79 days. Improved Golden Label, 83 days. Plant all four at the same time to insure an all-season harvest. 2 oz. of each variety in separate packets totaling in ½ lb. 50c

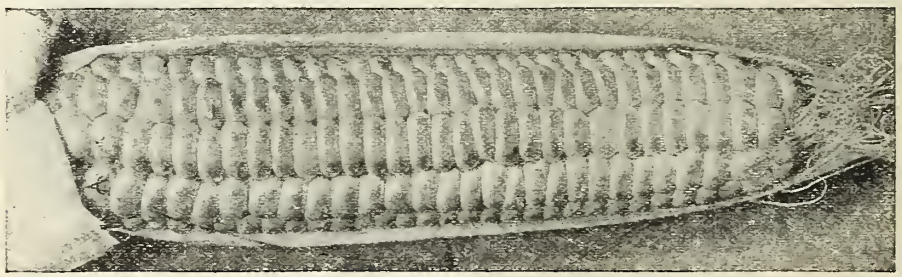
C-103 Country Gentleman Hybrid. 99 days. Like Country Gentleman except heavy yielder. Set solid with irregular rows of kernels. These are white, shoe-peg form, very deep; sweet and tender. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., $1.35.

C-121 Stowells Hybrid. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., $1.35.

WOMAN'S HOME COMPANION GARDEN BOOK

Edited by JOHN C. WISTER

Director of the Arthur Hoyt Scott Horticultural Foundation and the John Tyler Arboretum in Pennsylvania. Specific chapters written by 50 horticultural experts. A complete guide to every phase of planning and cultivating flowers, vegetables, shrubs, trees, lawns and vines, with specific directions for the six temperate zones found in North America. Packed with illustrations; 24 full pages in gorgeous natural color; 56 full page photographs; 200 line drawings. Over 1,000 pages, $4.95 postpaid.



SWEET CORN, GOLDEN BANTAM. Pkt., 10c; ½ lb. 30c; lb. 45c.

Best Non-Hybrid Varieties

C-106 Extra Early Golden Bantam. 70 days. An 8-row Golden Bantam that matures about a week earlier than our standard strain. Pkt., 10c; ½ lb., 30c; lb., 45c; 2 lbs., 85c.

C-114 Improved Golden Bantam. 85 days. A 12-row Golden Bantam, larger, yet equal in quality to the regular 8-row type. Pkt., 10c; ½ lb., 30c; lb., 45c; 2 lbs., 85c.

C-107 Golden Bantam. Matures in about 80 days. The tender sweetness of an ear of true Golden Bantam, picked just after it turns yellow and served in half an hour has never been excelled. To maintain this supreme quality, however, requires constant vigilance, and there is a great variation in the seed sold under this name. We offer the finest obtainable. Pkt., 10c; ½ lb., 30c; lb., 45c; 2 lbs., 85c.

POP CORN

C-138 South American. 110 days. Usually 2 ears to a stalk. Large yellow kernels, 12 to 14 row ear, 6 to 7 inches long, pops to enormous size, no hard center. Pkt., 15c; ½ lb., 35c; lb., 55c; 5 lbs., $1.95.

C-139 South American Hybrid. Pkt., 25c; ½ lb., 50c; lb., $1.00; 5 lbs., $4.85.

C-141 White Rice. Pkt., 15c; ½ lb., 35c; lb., 55c; 5 lbs., $1.95.

C-136 Japanese Hulless. Pkt., 15c; ½ lb., 35c; lb. 55c; 5 lbs., $1.95.

C-137 Japanese Hulless Hybrid. Pkt., 25c; ½ lb., 50c; lb., $1.00; 5 lbs., $4.85.

C-140 Supergold. (Kansas Sunburst). Pkt., 15c; ½ lb., 35c; lb., 55c; 5 lbs., $1.95.

C-110 Golden Midget. 70 days. On stalks 2½ to 3 ft. tall this dwarf sweet corn bears ears which are unsurpassed for their sweet quality. A practical variety in the garden where space is limited as the low stalks do not shade neighbors. Pkt. (2 oz.), 35c.

C-105 Earliest Golden Sweet. Matures in about 63 days. A Golden Bantam type that comes 12 days earlier than Golden Bantam. Pkt.,15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

C-124 Bantam Evergreen. 85 days. A product of Golden Bantam crossed with Stowell's Evergreen. It has retained much of the quality of Bantam and has the size and tender skin of Evergreen. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

C-112 Golden 60 Day. 68 days. It is bred from 60-Day White crossed with Golden Bantam. Except for color, same as 60-Day. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

C-123 Black Mexican. 85 days. Selected for high sugar qualities. Ears 10 rowed, 8 inches long. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

NON-HYBRID WHITE

C-113 Howling Mob. 83 days. A large-eared fine second early. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

C-104 Early Evergreen. 75 days. It is earlier than Stowell's Evergreen bred for northern localities. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

C-102 Country Gentleman. About 95 deys. Kernels crowded together on the cob. Deliciously tender and sweet. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

C-120 Stowell's Evergreen. 95 days. The standard main crop variety. The stalks grow 7 to 8 feet high, and bear ears 8 inches long, with 16 or more rows. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

Early Melons for Home Gardens

IN NO other crop does quality respond more quickly to careful breeding. Our special strains are selected for size, color, flavor and thick flesh.

Since even light frosts kill melon plants, and seeds do not germinate well until the ground is warm, only early varieties succeed in the northern states. Seeds may be sown in pieces of turf, or in pots, and started in a hot-bed or cold frame to get earlier fruits, but must be transplanted to the garden without disturbing their roots.

Remember, muskmelons must ripen on the vine. Except the Honey Dew, they do not improve after picking. **Quantity needed for 20 hills, 1 pkt.; 100 hills, 1 oz.**

Grow in light soil, in full sun, where plants can be watered. Sow in hills, five or six feet apart each way, six seeds 1½ inches deep to a hill, thinning out to 3 plants.

MUSKMELON, IROQUOIS. Pkt., 25c.

Orange Fleshed Varieties

M-17 Pride of Wisconsin. 85 days. Similar in size and shape to Honey Rock. Oval in shape with tough, heavily netted rind and flesh deep orange and very thick, sweet and of excellent quality. Pkt., 15c; oz., 45c; ¼ lb., $1.35.

MILWAUKEE MARKET MELON. Selected Seed. Pkt., 15c.

M-15 Milwaukee Market. 80 days. Large, averaging 8 inches in diameter, with a small seed cavity and thick salmon flesh, this has the sweetest, most delicious flavor and the finest texture of any we know. It does not stand shipping. Its original quality has been increased by breeding from hand-cut, inspected melons. Pkt., 15c; oz., 45c; ¼ lb., $1.35.

M-14 Iroquois. 85 days. Developed by Cornell University with definite resistance to Fusarium wilt. Fruits are round to oval, about 6½ inches in diameter with permanent ribs and good netting. The rind is tough and holds up well. Flesh is deep orange color, of fine texture and excellent quality. Skin creamy green at maturity. Pkt., 25c.

M-6 Bender's Surprise. 90 days. Large, thick fleshed, heavily netted. Its flavor is wonderfully sweet, with almost no stringiness. Grows well in heavy soils. Pkt., 15c; oz., 45c; ¼ lb., $1.35.

M-19 Schoon's Hardshell. (New Yorker). A high quality melon with an extra hard shell which makes it fine for shipping. Pkt., 15c; oz., 45c; ¼ lb., $1.35.

M-21 Tip Top. 96 days. It is yellow-fleshed, sweet, juicy; of finest flavor. A strong grower and yielder. Pkt., 15c; oz., 45c; ¼ lb., $1.35.

M-10 Hearts of Gold. 80 days. For the home garden with heavy soil, this is a most delicious variety. It has a flavor all its own, and never surpassed. In size it is just right, 5 to 6 inches in diameter, almost a sphere, with small seed cavity, well netted with shallow sutures. Pkt., 15c; oz., 45c; ¼ lb., $1.35.

M-12 Honey Rock (or Sugar Rock). 85 days. A wonderfully sweet melon with thick orange-flesh and a distinctive flavor suggesting the Honey Dew taste. It produces heavily and is one of the earliest quality varieties. Oval fruits of medium shape, an excellent home garden variety. Pkt., 15c; oz., 45c; ¼ lb., $1.35.

M-22 Early Osage. 84 days. Flesh very thick, salmon-orange, fine grain, sweet and aromatic. Pkt., 15c; oz., 45c; ¼ lb., $1.35.

M-7 Cranshaw. 90 days. Fruits large and somewhat pear shaped, skin green when immature, yellow when ripe, flesh salmon pink, thick, distinctive flavor and excellent quality. Particularly adapted for use on the Pacific Coast. Pkt., 25c.

M-5 Banana. 98 days. Cucumber shape. Delicious odor. A novelty melon for the home garden. Pkt., 15c; oz., 45c; ¼ lb., $1.35.

Green Fleshed Varieties

M-18 Rocky Ford or Netted Gem. Flesh thick green, sweet, juicy and of good flavor. Fruits small, oval and show no ribbing, but covered with uniform netting. Pkt., 15c; oz., 45c; ¼ lb., $1.35.

M-11 Honey Dew. 110 days. Grown extensively in the warmer melon growing sections for local markets and distant shipping. Fruits broad and oval. Nearly white becoming creamy yellow; smooth with occasional net. Flesh thick, pale emerald green, sweet, juicy with honey like flavor. Stores well. Pkt., 15c; oz., 45c; ¼ lb., $1.35.

DIXIE QUEEN. Pkt., 15c; oz., 45c; ¼ lb., $1.25.

Watermelons

WATERMELONS may be grown under favorable conditions in the north though they require a long season to mature and cannot be planted until the ground is warm. Soil such as will mature good muskmelons is needed, with plenty of hot weather, no lack of water, and rich feeding.

Quantity needed for 8 hills, 1 pkt.; 25 to 30 hills, 1 oz.

M-39 Dixie Queen. 85 days. A fine medium early home garden melon of excellent quality. Fruits nearly round, light green striped with darker green. Rind thin but tough, flesh a deep red, crips and sweet. The seeds are white. Pkt., 15c; oz., 45c; ¼ lb., $1.25.

M-49 Stone Mountain Resistant No. 5. 82 days. A recently introduced wilt resistant melon of outstanding merit for home and market garden; fruits very large; broad, oval, almost round with blockie ends; dark green with indistinct veins; flesh bright red, crisp and sweet. Pkt., 15c; oz., 45c; ¼ lb., $1.25.

M-38 Cole's Early. (Harris Earliest). 80 days. The best extremely early variety; very popular in northern sections, fruits medium size; dark green stripes alternated with lighter; flesh bright red of good quality, seeds blackish. Pkt., 15c; oz., 45c; ¼ lb., $1.25.

M-43 Ice Box. 80 days. It is desirable to have a melon that will go in the ice box without having to be cut. This round melon is about six inches in diameter, is early, hardy and of excellent flavor. Pkt., 15c; oz., 45c; ¼ lb., $1.25.

M-47 Early Kansas or Red Russian. 85 days. A distinctly early melon of large size and excellent quality. Fruits nearly round, a deep emerald green. Pkt., 15c; oz., 45c; ¼ lb., $1.25.

M-41 Florida Giant (Black Diamond or Cannonball). 95 days. Fruits very large, dark green, nearly round, flesh bright red, crisp and sweet. This is the most popular southern variety. Pkt., 15c; oz., 45c; ¼ lb., $1.25.

M-51 Tom Watson. 92 days. Fruits very large, oblong, cylindrical, symmetrical, Flesh deep red, and sweet. Pkt., 15c; oz., 45c; ¼ lb., $1.25.

M-45 Wilt Resistant Kleckley's No. 6. 92 days. Large, dark green, oblong fruits often 22 inches long, flesh rich red, sweet and fine texture. Pkt., 15c; oz., 45c; ¼ lb., $1.25.

M-53 Winter Watermelon. 85 days. Like Honey Dew in size and long-keeping qualities. Excellent flavor. Pkt., 15c; oz., 45c; ¼ lb., $1.25.

M-46 Klondike Resistant No. 7. 90 days. Exterior color dark green, flesh very dark pink. Pkt., 15c; oz., 45c; ¼ lb., $1.25.

M-35 Black Lee. 90 days. A new Wilt Resistant variety of vigorous growth, medium size, weight about 35 lbs., with a thin tough, dark, rich green rind. Pkt., 15c; oz., 45c; ¼ lb., $1.25.

M-42 Golden Honey. 90 days. Best yellow fleshed melon. Oblong, brown seed, flesh a sparkling gold, attractive and delicious. Rind dark green. Pkt., 15c; oz., 45c; ¼ lb., $1.25.

Citron. 90 days. For Preserves.

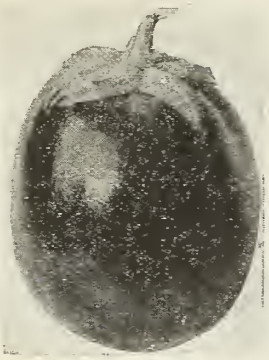
M-37 Red seeded. Pkt., 15c; oz., 45c; ¼ lb., $1.25.

M-36 Green seeded. Pkt., 15c; oz., 45c; ¼ lb., $1.25

Egg Plant

Egg Plant likes a rich, loamy soil. Plants should be set out in the garden as soon as danger of frost has passed, in rows three feet apart, the plants two feet apart. Our special strains excel in uniformity, flavor and yield.

E-10 Black Beauty. 80 days. Favorite variety in northern gardens, this excels in quality, size and appearance. Its huge fruits are almost black, are highly decorative in exhibition baskets and collections. It is oval in shape, uniformly the darkest in color. Perfectly spineless and smooth; has beautiful, rich purple color and handsome lustre. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., $2.65.



BLACK BEAUTY

E-15 New Hampshire Hybrid. 70 days. An early market variety developed by Dr. J. R. Helper, New Hampshire Experiment Station, to produce a good crop in short season areas. Fruits round to olive shaped. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., $2.65.

IMPROVED NEW YORK PURPLE

E-13 Improved New York Purple. 83 days. Plants grow low, stalky and branching, are early and almost continuous bearing; fruits are large, satiny smooth, rich purple. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., $2.65.

E-11 Florida High Bush. 85 days. Plants are well branched holding their large deep purple oval fruits well off the ground. Hardy, and resistant to disease. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., $2.65.

VEGETABLES RECOMMENDED FOR FREEZING

Asparagus, Mary Washington
Beans (lima) Baby Fordhook, Burpee's Improved Bush, Fordhook, Henderson's, King of the Garden, Triumph.
Beans (snap) Bountiful, Giant Stringless Greenpod, Kentucky Wonder, Tendergreen, Rival.
Beans (wax) Brittle Wax, Pencil Black Wax.
Beets, Crosby, Detroit Dark Red
Broccoli, Italian Green Sprouting, Decicco.
Brussels Sprouts, Improved Dwarf, Long Island Improved.
Carrots, Chantenay Red Core, Danvers Half Long, Imperator, Nantes, Sweetheart.
Cauliflower, Snowball, Ideal.
Corn (sweet) Bantam Evergreen, Golden Bantam, Golden Cross Bantam, Narrow Grain Evergreen, Stowell's Evergreen, Stowell's Evergreen Hybrid.
Egg Plant, Black Beauty
Kohlrabi, Early White Vienna
Peas, Alderman, Dwarf Alderman, Hundredfold, Improved Gradus, Thomas Laxton, Laxton's Progress, Little Marvel, Stratagem, Telephone, World's Record.
Rhubarb, MacDonald, Ruby.
Spinach, Bloomsdale, Hollandia, King of Denmark, Long Standing, Nobel, Old Dominion, Virginia Savoy, Viking, Viroflay.
Squash, (winter) Blue Hubbard, Buttercup, Butternut, Golden Delicious, Golden Hubbard.
Swiss Chard, Lucullus, Fordhook.
Turnips, Purple Top Strapleaf, White Globe.

Kohlrabi

SOW in April or May, in rows, thin to 8 inches. The globular fruits grow above ground, are stripped and cooked like turnips, but are much sweeter.

VIENNA KOHLRABI EARLY WHITE. Pkt., 15c.

K-11 Early White Vienna. 55 days. White and tender. Pkt., 15c; ½ oz., 35c; oz., 55c.

K-10 Early Purple Vienna. About 55 days. Pkt., 15c; ½ oz., 35c; oz., 55c.

Rhubarb

R-27 Mammoth. Vigorous and productive; stalks fifteen inches long. Pkt., 10c; oz., 35c; ¼ lb., $1.00.
R-26 Victoria. A popular red strain. Pkt., 10c; oz., 35c; ¼ lb., $1.00.
Rhubarb Roots. Set in spring they will furnish leaf stalks the following year. (If wanted by mail, add 10c for 1 or 3 roots, 13c for 10 roots for postage and packing).
Chipman's Canada Red. Stems dark red clear to heart. Makes a sweet, fine flavored, beautiful red sauce. Divisions, 75c; 3 for $2.00; 10 for $6.00.
McDonald Crimson, Divisions. Bright red stalks, low acidity, thin skin, fine grain and fruit flavor. Each, 60c; 3 for $1.65; 10 for $5.00.
Victoria, 1 year, 35c; 3 for 75c; 10 for $1.50; 2 years, each, 50c; 3 for $1.00; 10 for $2.50.
If wanted by parcel post, add 10c for 1 to 3 roots. 13c for 10 roots.

Rutabagas Mature in 90 days.

R-31 Improved American Purple Top. Is a fine strain of Purple Top. Largest size, best shaped variety, small neck, smooth skin; good cropper and keeper. A heavy yielder. Excellent table quality. Pkt., 10c; oz., 30c; ¼ lb., 65c.
R-32 Laurentian. A purple top globe having rich yellow flesh, one of the deepest globes and free from excess roots. Pkt., 10c; oz., 30c; ¼ lb., 65c.

Oyster Plant (Salsify)

THOUGH not as generally grown as it should be, this is, when cooked, a really delicious vegetable, surpassing in richness of flavor both carrots and parsnips. It acquires a decided oyster flavor after a good frosting. Roots for winter use should be lifted in the fall, while those for early spring use may be left in the ground over winter.

S-1 Mammoth Sandwich Island. This variety is much more uniform in growth than the old standard "Long White" variety; it is twice the size and weight; the roots are of superior quality and flavor. Pkt., 10c; ½ oz. 35c; oz., 65c.

Tobacco Seeds

T-3 Connecticut Seed Leaf. Best adapted to northern states. Pkt., 10c; ½ oz., 40c; oz., 75c.
T-2 Burley. Pkt., 10c; ½ oz., 40c; oz., 75c.

Horseradish Sets

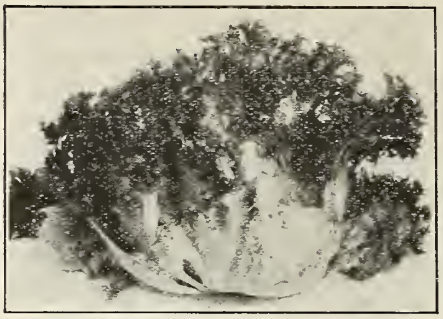
Horseradish. The roots produce good radish, fit for use in one season's growth. Plant roots in trench, pressing small end down, and cover with 3 to 4 inches of soil. Raise the plant once in the early season, without disturbing the tap root end, and rub off all excess rootlets. Doz., 50c; 100, $2.50; 1,000, $20.00.

Garden Huckleberry

G-1 Well described by the above name, this bears racemes or bunches of dark berries, ½ inch in diameter, which make preserves. The bushes are about 3 feet tall. Cultivation is the same as with the tomato, of which this plant is a distant cousin. Pkt., 15c; ½ oz., 50c; oz., 90c.

Endive

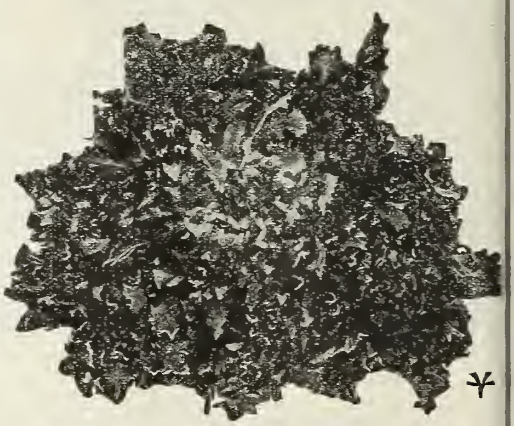
ENDIVE is a delightful autumn and winter salad. Sow seed with the earliest crops, again from middle of June to the end of August. Frost improves the flavor.



E-1 BROAD LEAVED BATAVIAN WHITE ESCAROLE. Pkt., 15c; oz., 35c; ¼ lb., 80c.

E-1 Broad Leaved Batavian White Escarole. (Florida Full Heart). 92 days. Of the straight smooth leaf Batavian type, this variety has the largest number of heart leaves and the finest salad quality of any we have tried. It grows upright, resists drought, and when tied up for bleaching it produces a cluster of creamy, tender, spicy leaves which are easily prepared for serving. Pkt., 15c; oz., 35c; ¼ lb., 80c.

E-4 Florida Deep Heart. 95 days. Similar to Full Hearted Escarole. It has a deeper heart and is more easily blanched. Pkt., 15c; oz., 35c; ¼ lb., 90c.



E-5 ENDIVE GREEN CURLED. Pkt., 15c; oz., 35c.

E-5 Green Curled. 70 days. Standard variety for fall and winter. Finely divided leaves make the plant appear mossy, and when centers are blanched, it is most beautiful. Pkt., 15c; oz., 35c; ¼ lb., 80c.

E-6 Moss Curled. Pkt., 15c; oz., 35c; ¼ lb., 80c.

E-7 Rose Ribbed Curled. In 75 days. Has leaf ribs of red. Pkt., 15c; oz., 35c; ¼ lb., 80c.

Chicory

C-97 Witloof (French Endive). 150 days. A European delicacy now standard in all best hotels and restaurants in the U. S. It is easily grown. Sow in soring; store parsnip-like roots in sand until wanted for growing on in winter; directions on packages. Pkt., 15c; ½ oz., 40c; oz., 65c.

C-96 Large Rooted Magdeburg. 65 days. Roots are cut in thick slices, roasted and used as coffee; in spring leaves make good salad. Pkt., 15c; ½ oz., 40c; oz., 65c.

C-95 Asparagus Chicory. 55 days. Cultivated for its fresh green shoots, which are boiled in salt water and served hot or in cold salad. New sprouts continually spring from the base, to be harvested and enjoyed. Pkt., 15c; ½ oz., 40c; oz., 65c.

Cardoon

C-41. The main stalks are blanched like celery; used for salad or in soups. Pkt., 15c; ½ oz., 50c; oz., 95c; ¼ lb., $2.75.

L-28 OAK LEAF LETTUCE. Pkt., 20c.

L-16 GREAT LAKES LETTUCE. Pkt., 20c.

Lettuce for Salads All Summer

SOW as soon as soil can be prepared, ½ inch drill, 5 seeds to an inch. Feed well, to make it grow fast. Thin out at first to stand an inch apart; then use alternate plants until leaf varieties stand 8 inches, heading varieties 12 inches apart. Make succession sowings to prolong harvest, omitting the midsummer period.

LEAF LETTUCE

L-28 Oak Leaf. 40 days. Since we revived this excellent old variety, it has become the most popular leaf lettuce for home gardens from coast to coast. The rich dark green of its leaves, its tenderness and resistance to hot weather, are all outstanding. We consider it best of the leaf type for home gardens. Pkt., 20c; ½ oz., 40c; oz., 70c.

L-7 Bronze Beauty. 40 days. Bronze medal 1946, All America trials. This may be described as Oak Leaf with a bronze tinge in its leaves, a characteristic which is accompanied by superior resistance to hot weather. As early as Oak Leaf, and equally tender, with a delightful nutty flavor, it grows in a loose head. Its leaves of Oak Leaf shape, bleach to cream in the heart, and the soft green of the tips is suffused with ruddy bronze. Pkt., 25c.

L-5 Black Seeded Simpson. Matures in about 46 days. Its large rich green leaves are thin, tender, and crisp, forming a loose head. It is one of the most vigorous varieties in hot weather and slow to run to seed. It is especially adapted to the home garden. Pkt., 15c; oz., 40c; ¼ lb., $1.15.

L-15 Grand Rapids. 45 days. This home garden favorite, also extensively planted for hotbed or greenhouse growing. The leaves are light green, daintily curled, tender, crisp, delicious. Our selected stock has been bred to a high degree of uniformity in type and season. Pkt., 15c; oz., 40c; ¼ lb., $1.15.

L-14 Grand Rapids Resistant. Has a tendency to form heads when grown outdoors. Leaves more savoyed than the regular Grand Rapids. Pkt., 15c; oz., 45c, ¼ lb., $1.40.

L-11 Early Curled Simpson. (White Seeded Simpson). Very hardy and dependable; particularly popular for home gardens. Pkt., 15c; oz., 40c; ¼ lb., $1.15.

L-30 Prizehead. 45 days. Very early, quick growing and popular for home gardens, plant medium large, strictly loose leaf, outside leaves tinged red, inner leaves wholly green. Pkt, 15c; ½ oz., 25c; oz., 45c, ¼ lb., $1.25.

HEAD LETTUCE

L-6 Bibb. 57 Days. A small headed lettuce of excellent quality, popular in the middle south for many years. Leaves smooth, dark green, a favorite with chefs of luxury hotels. Pkt., 20c; ½ oz., 30c; oz., 50c.

L-18 Iceberg. 84 days. This makes a small head which is the tightest of any variety we know, and it resists hot weather well. It is an excellent home garden variety and entirely distinct from New York, which is sometimes called Iceberg. Pkt., 15c; oz., 45c. ¼ lb., $1.20.

L-9 Cosberg 600. 5 days. This is an early sure heading lettuce under adverse conditions. A smaller head than Hanson or Iceberg. Has light green leaves with no bronzing effect. Pkt., 15c; ½ oz., 25c; oz., 45c; ¼ lb., $1.35.

L-8 California Cream Butter. 75 days. One of the best summer varieties, large solid heads, buttery flavor. Pkt., 15c; oz., 35c; ¼ lb., 85c.

L-10 Crisp as Ice. 74 days. Small dark green head overlaid with dark brown crumpled leaves, does not get bitter in hot weather. Pkt., 15c; ½ oz., 25c; oz., 45c; ¼ lb., $1.25.

L-23 May King. 60 days. Very early variety. The outer leaves are tinged with brown; they fold close, permitting close planting in frames—tender yellow heart. Pkt., 15c, oz., 40c, ¼ lb., $1.00.

L-31 Big Boston. 75 days. Large heads of bright green leaves, very tender. Pkt., 15c; oz., 35c; ¼ lb., 75c.

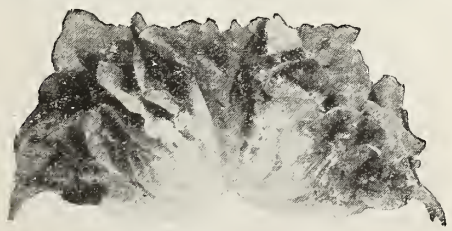
CALIFORNIA TYPE

L-32 Penn Lake. 75 days. An All American winner, 1949. An early heading lettuce that is particularly well adapted to midwestern and east coast growing. See Novelty Page 5. Pkt., 25c.

L-16 Great Lakes. 75 days. Plant large and vigorous and of good size and attractive color, is resistant to tip burn and stands up well under hot weather. The leading variety for midwestern growing. Pkt., 20c; ½ oz., 45c; oz., 75c; ¼ lb., $2.25.

L-20 Imperial No. 456. 80 days. Developed by Cornell Experiment Station as a variety suitable for those who wish to grow head lettuce in July and August. Pkt., 20c; ½ oz., 45c; oz., 75c; ¼ lb., $2.25.

L-26 New York No. 12. 80 days. Often weighs two pounds, stands hot weather quite well. We offer the highly selected strain known on the Pacific Coast as No. 12. Seed should be started indoors and the seedling plants can be set out when true leaves have been formed. Pkt., 15c, ½ oz., 30c; oz., 55c; ¼ lb., $1.25.



L-6 LETTUCE BIBB Pkt., 20c

L-19 Imperial No. 44. 82 days. The latest introduction in blight resistant types. Heads a little earlier than 847 and is a little more curled. Pkt., 15c; ½ oz., 30c; oz., 55c, ¼ lb., $1.25.

L-21 Imperial No. 847. 84 days. A heat resistant strain which grows larger, retaining its remarkable quality longer than most, and has an excellent flavor. Pkt., 15c, ½ oz., 30c; oz., 55c; ¼ lb., $1.25.

ROMAINE OR COS LETTUCE

THIS type of lettuce forms upright loose folding heads, and the inner leaves bleach white. Esteemed the finest in flavor.

L-12 Express Cos. In 70 days. A Vaughan introduction. The most dwarf and earliest of all leaves dark green. Delicious flavor. Self-closing. Pkt., 15c; oz., 35c; ¼ lb., 90c.

L-29 Paris White or Trianon. In 75 days. Grows to large size. Self-closing. Pkt., 15c; oz., 35c; ¼ lb., 90c.

FAST GROWING FOR POULTRY

L-25 Chicken Lettuce. About 48 days. Here is a genuine lettuce which will yield as much or more chicken or rabbit feed as any "greens" plant. When cut it starts at once to grow again. Pkt., 15c; oz., 35c; ¼ lb., 85c.

Other Salad Leaves

C-155 Water Cress (True Water). A distinct variety with small oval leaves. It thrives best when roots and stems are submerged in water. Pkt., 25c.

C-154 Upland Cress. 65 days. Has highly prized flavor of Water Cress. Green all year, ready for use before any other salad. Pkt., 15c; ½ oz., 25c; oz., 45c, ¼ lb., $1.15.

C-153 Curled Garden Cress. 65 days. Used with lettuce it adds an agreeable pungency. Pkt., 15c; oz., 45c; ¼ lb., $1.15.

C-151 Corn Salad. 70 days. (Fetticus or Lamb's Lettuce). A most refreshing salad, hardy, much used in winter in place of lettuce. Sow either in spring or fall. Pkt., 15c; oz., 75c; ¼ lb., $1.75.

Dandelion

D-1 Thick Leaf or Cabbage Variety. Cultivated for spring greens and salads. Unlike common sorts, almost double usual size. Pkt., 15c; ½ oz., $1.00; oz., $1.75.

Finnochio

H-22 Fennel, Florence. 85 days. Similar to celery, but forming an oval bulb-like enlargement at the base of the stem, which has a pleasing Anise-like flavor, often used in fish sauces. Pkt., 15c, ½ oz., 30c; oz., 45c; ¼ lb., $1.35.

Grow Your Own Mushrooms

TO grow a crop of Mushrooms in your own basement cellar or well-built outbuilding—is a home gardening effort worth making. While these are quickly salable, we are sure most of our readers would insist on eating their own crops. The location of the beds must be one where a temperature of 55 degrees to 65 degrees can be kept during cold weather. A barrel may be used in which to confine the manure for growing. A leaflet "How to Grow Mushrooms," FREE with orders for Mushroom Spawn.

PURE CULTURE BOTTLE SPAWN

This spawn is made in glass jars under absolutely sterile conditions, so that every mould, weed seed or insect is destroyed and each bottle contains nothing but pure spawn. One bottle equals 5 bricks of ordinary spawn and is sufficient for 40 square feet.

Per carton..... $1.25 5 cartons for.....$5.50

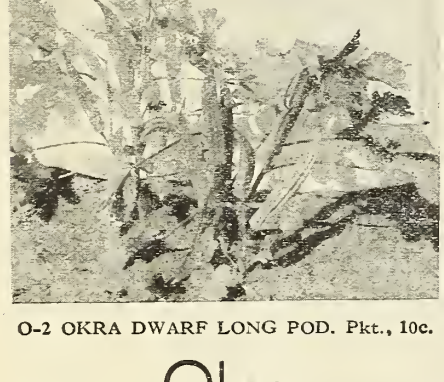
If wanted by Parcel Post allow for postage at zone rate, weight about 1 lb. per carton.

PURE CULTURE BRICK SPAWN

One brick will spawn 8 to 10 square feet and comes in pure white.

Per brick.....50c 5 bricks for.....$2.25

If wanted by Parcel Post add postage at zone rate, weight about 1 lb. per brick.



O-2 OKRA DWARF LONG POD. Pkt., 10c.

Okra

OKRA pods are used in soups, stews and salads. It is a hot weather plant, but can be grown in the North much like corn, the plants being started indoors in paper pots. The pods should be gathered each day while still tender and pulpy.

Quantity needed for 15 ft., 1 pkt.; 50 ft., 1 oz.

O-4 White Velvet. 70 days. Produces pods larger than any other. Pkt., 10c; oz., 25c; ¼ lb., 60c.

O-3 Tall or Perkins Mammoth. 68 days. The long pods, measuring 4 and 5 in. are produced in great quantities. Pkt., 10c; oz., 25c; ¼ lb., 60c.

O-2 Dwarf Long Pod. 65 days. Low, stocky and productive, with long pods. Pkt., 10c; oz., 25c; ¼ lb., 60c.

O-1 Clemson Spineless. 55 days. Similar to Dwarf Long Pod; a little taller bush, having longer and darker pod. Pkt., 10c; oz., 25c; ¼ lb., 60c.

Grow Your Own Plants for Giant Onions

SOW with the earliest crops, in rich soil, in drills ½ inch deep. Thin to 4 inches apart, using discards in green stage. Water when needed. Harvest after tops shrivel and dry in the sun, store in a dry place.

Quantity needed to sow: 25 ft., 1 pkt.; 125 ft., 1 oz.; acre, 6 lbs.

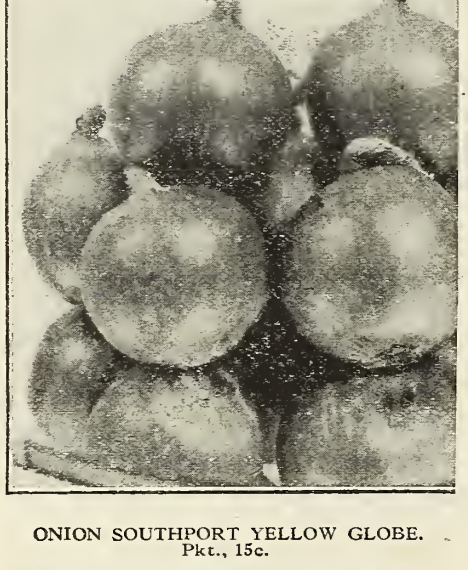
Grow Your Own Onion Plants

Home gardeners can grow Spanish onions up to two pounds in weight by starting their own plants in seed boxes. Eight weeks before the average frost proof date in your locality, sow seed of Valencia or Riverside Sweet Spanish onion, listed below, in a seed flat indoors or in a hot bed. Sow seed thinly and let the plants grow until corn planting time, when the seedling plants may be transplanted to the garden row, standing four inches apart. By late summer you will harvest large Spanish onions.

WINTER KEEPERS

O-10 Golden Globe. 115 days. An exceptionally fine yellow globe onion of superior weight, popular for growing globe-shaped sets of excellent keeping quality; very productive. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

O-19 Southport Yellow Globe. Ball Type. 110 days. Superior for muck soil, a fine keeper that is preferred by large onion growers. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.



ONION SOUTHPORT YELLOW GLOBE. Pkt., 15c.

O-18 Southport Red Globe. About 110 days. A perfect globe shape, deep red skin and tinted white, one of the best winter keepers. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

O-13 "Mountain" Danvers. 100 days. Slightly smaller than Southport. When aphis damages the late onion crop it does not harm this variety, due to early maturity. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

O-14 Large Red Wethersfield. About 100 days. Bulbs 2 to 2¼ inches thick, flat, deep red, flesh pinkish white and firm, used extensively for growing sets. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

O-9 Yellow Globe Danvers. About 110 days. Medium large, globe shaped, yellow with white flesh, firm and hard, good keeper. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

O-6 Brigham Yellow Globe. 110 days. A Southport Yellow Globe strain that is popular because of its excellent keeping and productive quality. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

O-20 Southport White Globe. About 110 days. A strikingly handsome onion; early, ripens evenly and is a fine keeper; the small, high-bred neck tells the story of quality; it is a true globe, pure white. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

ONION SWEET SPANISH WHITE. Pkt., 15c.

SPANISH TYPE ONIONS

Valencia Sweet Spanish (Utah Strain). A sweet, mild giant onion. From seed sown direct in the garden it will produce onions weighing a pound; if started in the hot bed two pound specimens can be grown. It comes in two colors, yellow and white, both alike otherwise.

O-21 White. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

O-22 Yellow. Pkt., 15c; ½ oz., 35c; oz., 65c, ¼ lb., $2.00.

Riverside Sweet Spanish. 110 days. A California strain. When grown in southern California attains enormous size, 4 to 4½ pounds.

O-16 Yellow. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

O-17 White. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

O-15 Prizetaker. American Grown. 105 days. Same type as the large Spanish Onions. Globes large, globular and the skin is thin and a light shade of yellow. Flavor mild. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

BERMUDA TYPE

O-7 Crystal White Wax. In about 90 days. This is a pure white flat onion, very popular in the south, especially in Texas. Will make but small onions in the north from seed. Very sweet. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

FOR GREEN ONIONS

O-23 White Lisbon (Bunch Onion). The best green Bunch Onions from seed are grown from White Lisbon, producing tender, long, white tops. If hilled a little these green and white stalks may be consumed entirely. Does not get tough like the White Welch or Winter Top Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

O-11 He-Shi-Ko. 50 days. An early bunch onion deserving of more popularity, is hardy and may be sown either spring or fall. A fall sowing will produce gree ,onions very early in the spring. Pkt., 15c; ½ oz., 35c; oz., 65c. ¼ lb., $2.00,.

Flat and Pickling Type

O-25 White Portugal or Silverskin. About 100 days. This is a splendid sort for growing white onion sets, pickles and for early bunching green onions. A medium size bulb, flat shape, has fine mild flavor, and is best of the white onions for keeping. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

O-8 Ebenezer. In 100 days. There is a tremendous demand for this yellow skinned onion for the growing of Onion Sets Ebenezer is a fine keeper, mild and well flavored. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

Onion Sets Grow Quickly

WHITE RED YELLOW

VAUGHAN'S BOTTOM ONION SETS

BECAUSE of the long growing season required by all onions grown from seed, most amateur gardeners use onion sets for produeing both green onions, and mature bulbs. "Bottom sets," so-called to distinguish them from top sets, produeed by some varieties of onions instead of seed, are onion bulbs artifieially dwarfed by being sown thiekly in rows, and stored over winter to be planted the next spring for a speedier harvest than seed would produce. Suecession plantings ean be made as long as the sets remain in good eondition. For growing mature onions in home gardens we reeommend Golden Globe sets.

Use large sets planted 2 in. deep for green onions, smaller 1 in. deep for mature onions; space the first one ineh apart, the seeond 3 to 4 ineh es. Plant with the earliest erops.

Green onions will be ready in three weeks, mature onions in three months from the planting date. The use of sets thus shortens by many weeks the time it would take to grow either green or mature onions from seed.

Quantity needed for 75 to 100 ft., 1 lb.

O-32 White Bottoms. Our sets of these are very choice, small, dry and unsprouted. Lb., 35c; 5 lbs., $1.35; 10 lbs., $2.50.

O-34 Yellow Bottoms. Fine dry sets, medium in size and unsprouted. Lb., 35c; 5 lbs., $1.35; 10 lbs., $2.50.

O-31 Red Bottoms. Bright, deep red in color, even and dry. Lb., 35c; 5 lbs., $1.35; 10 lbs., $2.50.

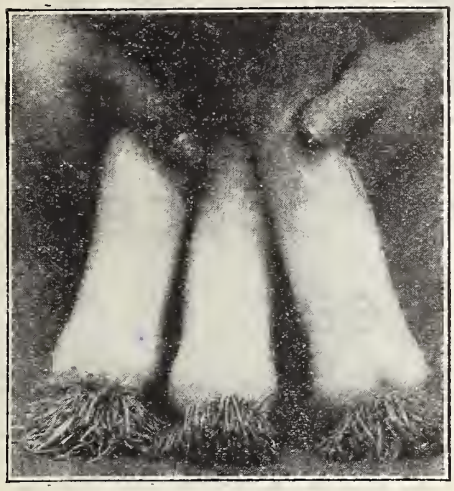
O-30 Golden Globe. Large yellow globe. Very desirable as a large dry onion for the home gardener. A superior keeper. Lb., 35c; 5 lbs., $1.35; 10 lbs., $2.50.

O-35 Yellow Multipliers. Especially valuable for the first early spring onions. They are very mild and sweet, and there are usually several stalks from a single bulb. Lb., 35c; 5 lbs., $1.35; 10 lbs., $2.50.

EGYPTIAN PERENNIAL SETS (Top Sets)

FOR FALL PLANTING

O-29 Egyptian or Red Perennial. For fall planting only. This variety never forms a large bulb; its value lies wholly in its special adaptabiliey to produce green onions for spring or fall use which are perfectly hardy and stay in the ground all the time. We sell sets in fall only, to be planted for early spring crop. Lb., 35c; 5 lbs., $1.35; 10 lbs., $2.50.



L-2 LEEK ELEPHANT. Pkt., 15c.

Leeks

LEEKS are better if transplanted. Use a dibber, set the plant deep in the hole and do not fill it up but let the soil wash in. Leeks are eousins of the onions and their flavor is subtly different when used in stews. All varieties mature in about 130 days.

L-2 Elephant. Largest of all leeks. Pkt., 15c; ½ oz., 40c; oz., 65c.

L-4 Large Musselburg. Enormous broad leaves, mild flavor. Good exhibition sort. Pkt., 15c; ½ oz., 40c; oz., 65c.

L-1 Broad Scotch or London Flag. Hardy; a strong plant, with broad leaves. Pkt., 15c; ½ oz., 40c.; oz., 65c.

Chives

C-98 A perennial herb, a member of the onion family which every garden should grow. The slender, tubular leaves have a delicate onion flavor, just enough to season a green salad when the chopped-up leaves are used. Bears attractive flowers of a beautiful lavender. Pkt., 15c; ½ oz., 45c; oz., 85c.

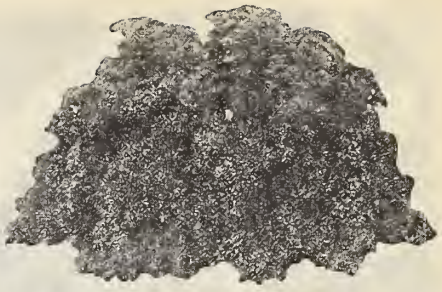
Garlic Sets

G-2 Selected Bavarian. **In about 110 days.** Garlic is grown by planting the small bulbs in rows, 4 inches apart in the row. Cover the bulbs with one inch of soil. When the tops turn yellow, lift the bulbs and dry in the shade. To keep for the winter, hang in strings in a dry basement. Lb., 75c; 10 lbs., $6.00. Postage extra. Write for latest market prices on quantities.

BERMUDA ONION PLANTS

These are especially suitable for home gardens. Seed is sown early in Texas, and the plants are lifted, to be replanted in Northern gardens, to produee sweet mature onions. Ready April 1st.

Per bunch, postpaid 50c; 10 bunches $3.75, postage extra; weight about 6 lbs.



P-30 PARSLEY, Champion Moss Curled. 10c.

Parsley

PARSLEY should be sown early beeause it is very slow to germinate; and it is best to use radish seed mixed with the parsley seed to mark the rows. Parsley is one of the richest of green vegetables in vitamin A, and iron.

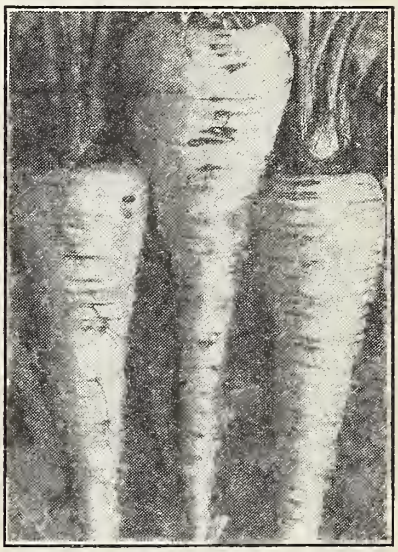
The rooted parsley provides exeellent flavoring for soups and stews. Quantity needed to sow 50 ft., 1 pkt., 200 ft., 1 oz.

P-30 Champion Moss Curled. **In about 70 days.** Robust, compact plants; the leaves are so crumpled and curled as to have the appearance of curled moss, with rich, green color. It is quite hardy. Pkt., 10c; oz., 25c; ¼ lb., 65c.

P-34 Extra Triple Curled Parsley (Vaughan's XXX). **75 days.** Plant compact, leaves dark green and so finely cut and closely curled as to resemble tufts of moss. Many of our customers plant it as a border. Pkt., 10c; oz., 25c; ¼ lb., 65c.

P-33 Plain or Italian. **72 days.** Not curled. However, the flavor is excellent and plant is very hardy. Pkt., 10c; oz., 25c; ¼ lb., 65c.

P-32 Hamburg Rooted. **90 days.** Resembles a small parsnip. Used for flavoring soups. Our strain is exceptional. Pkt., 10c; oz., 25c; ¼ lb., 65c.



P-40 PARSNIP, HOLLOW CROWN. Pkt., 10c.

Parsnips

PARSNIPS may be harvested at times when the ground has little else to offer. Let them remain in the ground over winter, and dig them during a thaw or when the spring thaw eomes—they will be as sweet and tender as ever. A freeze is required to sweeten them. Quantity needed to sow 25 ft., 1 pkt., 150 ft., 1 oz.

P-42 Marrowfat. **95 days.** This variety produces roots of uniform good size, fine shape, clean, smooth skin. In flavor it is unequalled. For exhibition it is a winner. Pkt., 10c; oz., 40c; ¼ lb., 75c.

P-40 Hollow Crown, Long Smooth. **About 95 days.** Tender and sugary; one of the best. Pkt., 10c; oz., 35c; ¼ lb., 65c.

P-43 Short Thick. The tops are only about half the size of Hollow Crown. The roots are short and thick, having a diameter of 2½ to 3½ inches and a length of only 6 or 8 inches at the thickened part. Pkt., 10c; oz., 45c; ¼ lb., 85c.

P-11 LITTLE MARVEL PEA. Pkt., 15c.

Sow Early for Success With Peas

PEAS are rich in sugar, which begins to turn to starch when they are picked; thus home gardeners alone can enjoy this crop at its best.

Where hot dry summer weather cuts short the crop, the problem is to get the heavy yield, large size and sugar content of the late sorts into early yielding varieties which will bear a crop before the summer's drought arrives. Our strains are selected for these qualities. Quantity needed for 100 ft., 1 lb.

Sow smooth seeded with earliest crops, wrinkled peas two weeks before frost proof date. Sow 2 inches deep, two inches apart in row, or in twin rows, 6 inches apart, with support between. Crop must mature before hot weather.

DWARF

P-11 Little Marvel. 64 days. The most satisfactory pea in the average home garden. The big point in its favor is that it remains in prime picking condition a week longer than the older sorts. Very productive, hardy, luscious and sugary. Vine 18 inches, pod dark green, well filled. Pkt., 15c; ½ lb., 30c; lb., 45c; 2 lbs., 85c.

P-7 Giant Stride. 74 days. Pea blight is a wilt affecting peas when they are planted too often in the same ground. You will find Giant Stride nearly 100% resistant, as well as of top quality and a heavy yielder. Pkt., 15c; ½ lb., 30c; lb., 45c; 2 lbs., 85c.

P-12 Nott's Excelsior. In 62 days. Almost as early as the round seeded varieties, but far superior to them in quality. Vines about 15 inches high, pods about 3 inches long, each containing 5 to 7 peas of good size, tender and delicious. Pkt., 15c; ½ lb., 30c; lb., 45c; 2 lbs., 85c.

P-13 Premium Gem. 64 days. An extra early old type garden pea that could well be replaced by Nott's Excelsior or Little Marvel, as they are superior. Pkt., 15c; ½ lb., 30c; lb., 45c; 2 lbs., 85c.

P-10 Laxton's Progress. 62 days. The earliest and by far the best of the large-podded, large fruited wrinkled peas. Of all the varieties producing peas of equal quality, this is the heaviest yielding. It bears long pods, averaging one more pea to the pod than Hundredfold. Pkt., 15c; ½ lb., 30c; lb., 45c; 2 lbs., 85c.

P-8 Hundredfold. About 62 days. This is another of Vaughan's Specials that has proved itself a winner for gardeners. It is extra early, has large pods like "Telephone," which are filled with the finest flavored peas. Hundredfold is in season a few days later than the first earlies. It excels in size, appearance and productiveness. Pkt., 15c; ½ lb., 30c; lb., 45c; 2 lbs., 85c.

P-5 Dwarf Telephone or Daisy. About 76 days. A midseason maturing sort of merit; vines are dwarf and bear large, bright green pods, each containing 7 to 9 peas of finest quality. This is a splendid variety, of which we offer a high-class re-selected stock. Pkt., 15c; ½ lb., 30c; lb., 45c; 2 lbs., 85c.

P-3 Dwarf Defiance or Stratagem. About 79 days. Pea growers cannot afford to overlook this splendid main crop success; it is without a superior, a grand second early. The vines are vigorous, the pods dark green and immense in size and fullness like "Telephone." The handsome pods are filled with peas that are sweet and rich flavored. Pkt., 15c; ½ lb., 30c; lb., 45c; 2 lbs., 85c.

Two Pounds Prepaid

Catalogue prices of peas, beans and sweet corn include prepayment on lots up to and including 2 pounds. For postage charges on larger lots, see page 96.

P-6 PEA GREEN BAYOU. Pkt., 15c.

Eat Your Own Peas Six Weeks for 35¢

IN sections where spring is late, and hot weather arrives soon after, best results with peas are obtained by sowing an early, midseason and late variety all at the same time. We recommend the varieties below for this purpose.

Sow in Early Spring

ALASKA—Earliest
LITTLE MARVEL—Dwarf, Early
THOMAS Laxton—Medium, Main Crop

1 Pkt. of each (3 pkts.),.....35c.
½ lb. of each (1½ lbs.),.....75c.
1 lb. of each (3 lbs.),.....$1.00

Tall Peas

THE gardener who takes pride in his peas and whose space is unlimited will find the tall-growing sorts unequalled for length of season, heavy yielding and high quality. Support should be given and they should be planted with plenty of room. Liberal fertilizing will be well repaid.

P-9 Improved Telephone. 74 days. Of the tall-growing varieties of late peas, "Vaughan's Improved Telephone" is regarded by experienced and successful growers as the best sort for general purposes. Uniformly large pods, 5 inches or more long, filled with 8 to 9 delicious peas. Grows 4 feet high; is a main crop variety, and a heavy yielder. Pkt., 15c; ½ lb., 30c; lb., 45c; 2 lbs., 85c.

MEDIUM HEIGHT

A HEAVIER yield without sacrificing quality is obtained from the varieties of peas which require some support. The varieties listed below grow to three feet high and should be given support of chicken wire or brush between companion rows. The smooth podded sorts may be sown first, and if not allowed to mature too much, will be found to be of good table quality.

P-6 Green Bayou. 64 days. A cross between Thomas Laxton and Creole made by Dr. Miller of Louisiana State experiment station. This variety has definite resistance to heat and possesses a better quality comparable to Alaska. Pkt., 15c; ½ lb., 30c; lb., 45c; 2 lbs., 85c.

P-15 World's Record or Improved Gradus. 60 days. Gradus is the greatest of the wrinkled peas; it is large, early, and in flavor equal to the best wrinkled kinds. It is tender and should be planted in the warmest spot in the garden. Vines 30 inches, pods 4 inches long, beautiful green color, with 7 to 10 or more rich, tender peas in each. Pkt., 15c; ½ lb., 30c; lb., 45c; 2 lbs., 85c.

P-14 Thomas Laxton. About 62 days. This is a selection of Gradus. The season is identical, but the pods are square at the end and deeper green. Vines are 3 to 3½ feet high. A better yielder than Gradus. Pkt., 15c; ½ lb., 30c; lb., 45c; 2 lbs., 85c.

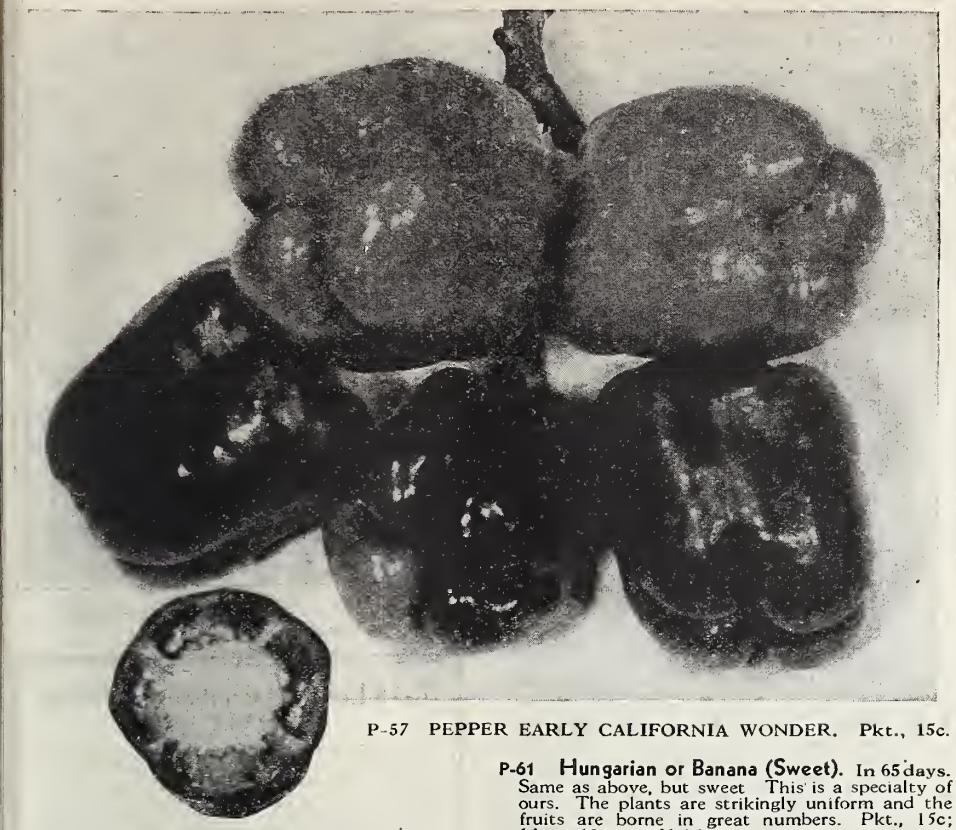
P-1 Alaska—Called Earliest of All. In about 57 days. Alaska and "Maud S." are in all but color the same. Alaska seed is bluish in color and smooth. This is the earliest pea to mature and is used extensively in Wisconsin for canning. Pkt., 15c; lb., 45c; 2 lbs., 85c.

EDIBLE POD PEAS

Cooked Like String Beans

P-4 Dwarf Gray Sugar. About 65 days. The pods, not the seed of this variety are eaten. They are borne on vines 16 inches tall, and should be picked before seeds form. At this stage theyare; stringless, brittle and succulent. Pkt., 15c; lb., 45c. 2 lbs., 85c.

Peppers, Sweet or Hot



P-57 PEPPER EARLY CALIFORNIA WONDER. Pkt., 15c.

THE plants should stand eighteen inches apart in rows. They are constantly becoming more popular, both in salads and for use in cooking. One packet produces 75 plants; ounce, 1,000 plants. Plants started eight weeks before are set out one week after frostproof date. Harvest continues until frost, if vines are picked clean.

P-62 Patrick Henry. 58 days. The earliest variety we know. It bears thick-fleshed green fruit, 3 to 4 lobed, which turn red when mature. Excellent for the home gardener wishing an early crop. Pkt., 25c.

P-67 Penwonder. 63 days. Bred by crossing Harris' Early Giant and California Wonder, this bears high quality, thick fleshed fruit that hangs down and is easy to harvest. Pkt., 25c.

P-57 Early California Wonder. Matures in about 60 days. A quality giant, is recommended for the home garden. Mild, sweet, mid-season, it produces fruits 4 x 4½ inches with thick flesh a deep green changing to bright crimson. Pkt., 15c; ½ oz., 50c; oz., $1.00.

P-75 Golden California Wonder. 80 days. The same as California Wonder except that the fruit turns a bright golden yellow. See Page 4. Pkt., 25c.

P-52 California Wonder. About 75 days. A mild, sweet variety, very large. It resembles Chinese Giant in form, but has much thicker flesh. It has a crimson fruit. Pkt., 15c; ½ oz., 50c; oz., $1.00.

P-58 Giant Magnum Dulce. In 67 days. This mild pepper grows to 7 inches long and 4 inches through—but when grown so large the yield is small. To get a large yield of medium sized peppers, pinch off the first buds. Pkt., 15c; ½ oz., 45c; oz., 85c.

P-59 Harris' Early Giant. 63 days. Heavy yielder among the large peppers, also earlier. The plants are vigorous; peppers 4 x 4½ inches. Color, deep green turning to red, very sweet. Pkt., 15c; ½ oz., 40c; oz., 75c.

P-74 Waltham Beauty. 70 days. A California Wonder type, smaller but more productive and earlier. Pkt., 15c; ½ oz., 40c; oz., 75c.

P-60 Hungarian or Banana (Hot). In 65 days. A slender hot pepper much prized for canning. It is 1½ inches in diameter at the base and often 10 inches long. Yellow turning to red. Pkt., 15c; ½ oz., 50c; oz., 90c.

P-61 Hungarian or Banana (Sweet). In 65 days. Same as above, but sweet. This is a specialty of ours. The plants are strikingly uniform and the fruits are borne in great numbers. Pkt., 15c; ½ oz., 60c; oz., $1.15.

P-51 Bull Nose, Hot. In 70 days. A pungent pepper. Pkt., 15c; ½ oz., 40c; oz., 75c.

P-68 Pimento Perfection. In 73 days. Flesh thick and very mild. Must be started early in the north to mature. Pkt., 15c; ½ oz., 45c; oz., 85c.

P-64 Large Bell. 70 days. Large, mild. Pkt., 15c; ½ oz., 40c; oz., 75c.

P-53 Cayenne. 70 days. Long, red, hot. Pkt., 15c; ½ oz., 40c; oz., 75.

P-71 Sunnybrook. 73 days. Tomato shaped, very early and productive. Fruits 2 in. deep and 3 in. diameter, smooth, glossy, dark green, turning deep red. Flesh thick and sweet. Pkt., 15c; ½ oz., 50c; oz., 90c.

P-66 Oshkosh. 70 days. Small upright bush, fruit 4 x 3 inch, deep green turning to orange yellow. Pkt., 15c; ½ oz., 45c; oz., 85c.

P-73 Tabasco. About 95 days. Hottest of all. Pkt., 15c; ½ oz., 45c; oz., 75c.

P-69 Red Chili. 75 days. Good hot pickling. Pkt., 10c; ½ oz., 45c; oz., 75c.

P-63 King of the North. In 64 days. A sweet medium, short and blocky. Not quite as early as Early Giant. Pkt., 15c; ½ oz., 40c; oz., 75c.

P-70 Ruby King. In 68 days. One of the most popular growing 4½ to 6 inches long, 3½ to 4 inches thick. The peppers are a bright ruby-red and quite sharp in flavor. Pkt., 15c; ½ oz., 40c; oz., 75c.

Bar Sprout Keeps Root Crops from Sprouting

Sprout Inhibitor

Potatoes, beets, carrots and similar root crops treated with Barsprout may be held in warmer storage, 52° F. or higher, without sprouting. Saves 10 to 15% weight usually lost by shrinkage. Potatoes and other root crops in storage have remained sproutless for a year or more, retaining their original flavor, firmness and Vitamin C. Warmer storage holds reducing sugar content to a minimum for a potato that is whiter when cooked. Economical 12 oz. size treats 8¼ bu. potatoes. Saving from shrinkage alone pays for the treatment. **Price each $1.00, postpaid $1.10. 5 lb. size, $5.50 each; 20 lb. drum $16.00; 100 lb. drum $70.00.**

SMALL SUGAR PIE PUMPKIN. Pkt., 10c.

Pumpkins

SOW when the ground is warm and give the plants room to ramble. The partial shade of the sweet corn plot is ideal. A few hills will provide amply for pies and Jack O'Lanterns.

P-97 Small Sugar Pie Pumpkin. 110 days. Well known as the best pie pumpkin. The fruit is small to medium size, with solid fine grained flesh, and a sweet, sugary, delicious flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

Cushaw. 110 days. We offer three strains, White, Striped and Golden. A favorite pumpkin for pies, having no seeds in the neck, all being confined in the enlarged portion near the blossom end. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00.

P-92 White. P-91 Striped. P-90 Golden.

P-96 Mammoth Prize. In about 120 days. Specimens have grown to 100 lbs.; notwithstanding, it is among the best pie pumpkins. Flesh fine grained, sweet and tender. Requires a long season and plenty of room (one plant to a hill). Pkt., 10c; oz., 30c; ¼ lb., 75c; lb., $2.25.

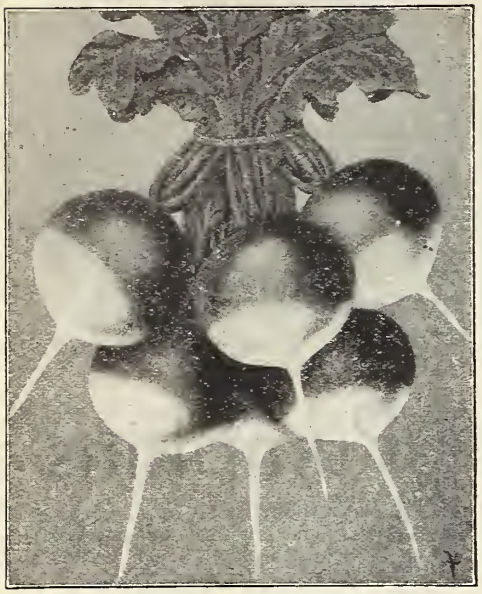
P-98 Winter Queen or Winter Luxury. In about 100 days. A quality pie pumpkin and the best winter keeper if care is taken in storage. Nine or ten inches in diameter; its skin is a beautiful deep orange-yellow with a close netting. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00.

P-93 Kentucky Field (Large Cheese). About 110 days. Used largely for canning and stock feeding. Fruits very large and flat, skin creamy buff, flesh extremely thick, deep salmon yellow and of good quality. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00.

P-95 Large Field or Big Tom. 110 days. A standard variety grown in corn fields for a feeding crop and the pumpkin generally used at Halloween time for Jack O'Lanterns. Pkt., 10c, oz., 20c; ¼ lb., 50c; lb., $1.50.

PUMPKIN "BIG TOM" Pkt., 10c.

Radishes You Can Grow All Season



R-18 SCARLET TURNIP WHITE TIP RADISHES. Pkt,. 10c.

RADISHES from April to December are possible for the home gardener who sows early, midseason, summer and winter types.

Radishes supply, in a 2 oz. portion, 61U of Vitamin B-1; 11 milligrams of Vitamin C, 0.01 milligram of Vitamin B2. Sow them thinly with slow germinating seeds such as carrots, parsnips, and parsley and harvest the radishes before the companion crop begins to mature. Make frequent sowings of the early types a week's supply at weekly intervals.

Our strains are grown with the greatest care, which involves considerably increased cost, but the additional cost is small compared with the great difference in your crop.

Quick growth is the secret of success. A rich, light soil is required. The globe and olive varieties grow faster than the long type, and turn pithy sooner. The long types grow more slowly and are slower to turn pithy, so they endure heat better. Winter radishes should be sown in June or later and allowed to develop in the cool moist fall weather. Quantity needed for 15 to 20 ft., 1 pkt.; 75 ft., 1 oz.

Sow with earliest crops, ½ inch drill, 5 seeds to the inch. Sow early types one week's supply at a time, at weekly intervals. Mix with parsnips, parsley and carrots, to mark the row. Harvest when large enough to eat. Summer and winter types have longer harvest.

SWEET POTATOES

Sweet Potatoes will be shipped from our grower in Southern Illinois, all by express at purchaser's expense. We offer: Yellow Jersey, Nancy Hall and Porto Rico. 10 lbs., $1.85; 25 lbs. and over, 16c per lb.

SWEET POTATO PLANTS

All orders for Sweet Potato Plants will be shipped from our grower in Southern Illinois direct to the purchaser and no plants will be shipped C. O. D. Orders for 1,000 or less will be sent by mail postpaid, all orders for more than 1,000 will be shipped express at purchaser's expense. Varieties: Yellow Jersey, Nancy Hall and Porto Rico. 50 plants; .85c; 100, $1.65; 200, $3.15; 500, $5.50; 1,000, $9.00. By express per 1,000, $8.50.

Our method of packing should insure safe arrival of plants in good condition. If larger quantities than quoted above are wanted, ask for special quotation.

Plants will be ready for shipment in the southern districts about April 15th, and for northern districts about May 15th to June 15th.

R-9 Cherry Belle. 20 days. All American winner, 1949. See Novelty Page 5. Pkt., 25c.

Early Scarlet Globe Select. (F.) 23 days. Vaughan's Glasshouse strain. For hotbed and greenhouse forcing, and outdoor planting. Very early, crisp, mild and tender; rich, bright scarlet in color, of uniform globe shape. It is ready for the table in 25 days. For the home, plant every 10 days until into June; again end of August.

R-11 Short Top: Pkt., 15c; oz., 25c; ¼ lb., 50c; lb., $1.50.

R-10 Medium Top: Pkt., 10c; oz., 20c; ¾ lb., 45c; lb., $1.25.

R-11 RADISH SCARLET GLOBE SHORT TOP. Pkt., 15c.

R-18 Scarlet Turnip White Tip (Sparkler). 26 days. Vaughan's Selected Stock. This radish is a table dainty, crisp, tender and sweet; it is turnip-shaped, bright scarlet color with white tip, and is a high-class strain for outdoor planting. It combines beautiful appearance with finest radish quality-appealing to the eye and palate. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.25.

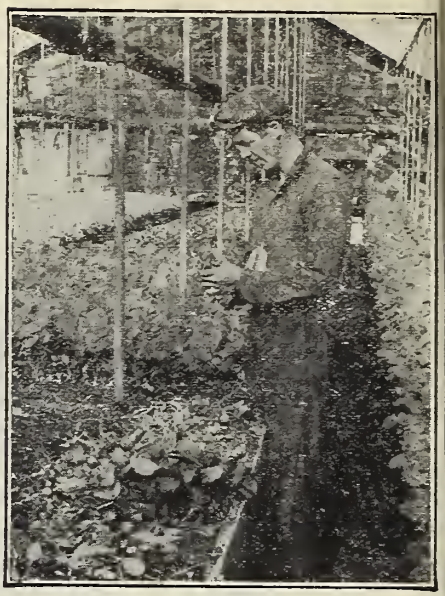
R-13 Icicle. 25 days. The finest white, which remains crisp and mild long after maturity. It matures early with short top, which permits close planting and forcing. Many of our customers say it is the finest radish they have ever grown. Plant every 10 days for succession. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.25.

R-14 French Breakfast. (F.) 25 days. Early olive-shape, 2 inches long, with slender tap root, deep red skin, white tip. Flesh is solid, sweet, crisp and tender, fine for the home garden. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

R-22 RADISH CAVALIER Pkt., 15c.

R-22 Cavalier. 23 days. Roots are olive shaped and bright scarlet. Tops are slightly larger than short topped Scarlet Globe and it will mature just as quickly. For an early maturing red radish either indoors or outdoor we strongly recommend this. Pkt., 15c; 1 oz., 25c; ¼ lb., 50c; lb., $1.50.

R-12 Giant Butter. 28 days. By far the largest of the early globe radishes. In rich soil it will produce crisp, spicy, tender roots of perfect globe shape two inches in diameter, only a week later than the smaller globe types. It is usable for a much longer season before it begins to turn pithy, and by planting a succession of crops, it can be enjoyed throughout the summer. It is seldom found in the market and will make your friends talk Pkt., 10c; oz., 20c., ¼ lb., 50c.



TESTING VAUGHAN'S SPECIAL GREENHOUSE STRAINS

R-15 Long Season Radish Mixture. ½ oz. pkt., 15c.

This is a mixture composed of equal parts of the following early midseason and late varieties: Scarlet Globe, Giant Butter, Icicle, Brightest Long Scarlet, and White Strassburg Sow thinly in the row, and harvest as they mature. This mixture will provide an interesting assortment of radishes for the table, spread over two months of harvest.

R-7 Crimson Giant. (F.) 28 days. For forcing or outdoor planting. Although twice the size of other forcing sorts this does not get pithy or hollow; the skin is crimson, flesh is white, tender, crisp and sweet-flavored. Sow thinly. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

R-3 Brightest Long Scarlet. 28 days. This is a home garden favorite; the body is brightest scarlet color, which blends downward to a long tip of pure white. Matures in 25 days. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

R-6 Cincinnati Market. 30 days. A long red radish, short top. If your market uses a long sort try this one. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

R-20 White Box — (Early White Turnip). 20 days. Our earliest white radish. Turnip-shaped, short top and a rapid grower, crisp. Pkt., 10c; oz., 25c; ¼ lb., 60c.

SUMMER RADISHES

R-21 White Strassburg. 40 days. When hot weather comes and spring varieties would turn pithy or run to seed, this variety will keep in good condition for a long time and furnish a most welcome tang to the salad course. Sow early as it matures more slowly than other radishes. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

WINTER RADISHES

THESE should be sown from late in June to August, to produce the final radish crop. They grow largest of all and can be stored for some time after the ground is frozen. In spite of their size they are mild and of fine texture.

Each of the following, pkt., 10c; oz., 25c; ¼ lb., 60c; lb., $1.65.

R-4 California Mammoth Winter. About 60 days. Long, very large size.

R-16 Rose or Scarlet China. About 52 days. Rose, medium size, fine keeper.

R-5 Chinese Mammoth or Celestial. About 60 days. Immense size, flesh always crisp and mild.

R-1 Black Spanish, Long. 58 days. Black skin and white flesh.

R-2 Black Spanish, Round. 56 days. Like Long Black, only round. (F) Forcing Sorts.

Green Leafy Crops

Richest of All in Vitamins

SPINACH—KING OF DENMARK. Pkt., 10c.

Spinach

SPINACH demands cool, moist weather. Seed should be sown at the earliest possible moment in spring in rows one foot apart and thinned to six inches in the row. It matures in 45 to 50 days and quickly runs to seed in warm weather. The Antvorskov variety listed below, is most free from this tendency.

Home gardeners have generally adopted Swiss Chard and New Zealand Spinach as a greens crop, as both may be cut many times and will produce a continuous crop all summer and until freezing weather in the fall. A fall crop of spinach may be sown in late July or August and will find the cool, moist autumn weather favorable for growth. The value of spinach in the diet has been scientifically established by the vitamin investigation.

S-9 Nobel Giant Thick Leaved. 45 days. The seed of this thick-leaved variety produces the largest spinach under cultivation. It grows rapidly and remains in good condition a long time. The medium-green leaves are large, rounded, slightly crumbled, succulent and tender. It is an excellent home garden spinach. Pkt., 10c; oz., 20c; ¼ lb., 50c.

S-12 Viking. 45 days. This 1935 All-America winner bears largest leaves of the thick-leaved type, and is almost as long standing as King of Denmark. Its leaves are smooth to slightly crumpled, dark green, and of excellent quality for home and market. Pkt., 10c; oz., 20c; ¼ lb., 50c.

S-7 King of Denmark (Antvorskov). 48 days. In our trials this variety has been slower to run to seed than any other sort. Antvorskov forms quite large tufts (or rosettes) compact and low. The numerous leaves are extra large, broad and rounded, exceedingly bushy, slightly crumpled and of a glossy dark green color. Pkt., 10c; oz., 25c; ¼ lb., 65c.

S-6 Bloomsdale Long Standing. 45 days. Latest of the Long Standing Spinach introductions. Improvement was accomplished through the selection of hermaphrodite plants (bisexual), which run to seed much more slowly than the unisexual. This variety is of better quality than the Antvorskov (King of Denmark), having larger, Savoy type leaves. Pkt., 10c; oz., 20c; ¼ lb., 50c.

S-5 Bloomsdale Dark Green. 43 days. The leaf is savoyed, or crinkled, and of a darker green than Bloomsdale Long Standing. The dark color is preferred in some markets. Pkt., 10c; oz., 20c; ¼ lb., 50c.

S-10 Old Dominion. 40 days. The same as Virginia Blight Resistant in type and quality. Will eventually take the place of Virginia because of its longstanding qualities, which permit early fall planting. Pkt., 10c; oz., 20c; ¼ lb., 50c.

S-11 Prickly Seeded Hollandia. 43 days. Highly productive spinach for Market Gardeners. The leaves are large, broad and arrow shaped, dark green. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Swiss Chard

BEARS ALL SUMMER

S-89 Summer Spinach. 45 days. This vegetable gives maximum returns for little care and space; it yields a constant crop from July to Winter. The leaves are used for greens the same as spinach or beet tops. Sow early in spring in rows 16 inches apart, and thin out to 6 inches in the rows. The leaves grow very large. Cut the leaves off and new ones grow quickly. As it grows, thin out for use and keep clear of weeds. Pkt., 10c; oz., 25c; ¼ lb., 65c.

S-88 Lucullus. About 55 days. A new Moss Curled sort. Very large leaves. Pkt., 10c; oz., 25c; ¼ lb., 65c.

S-87 Large White Rib. (Dark Green). The leaf is large, smooth, dark green on a long fleshy stem, 1 to 2 inches wide. Pkt., 10c; oz., 25c; ¼ lb., 65c.

S-86 Fordhook. This variety resembles Lucullus, but is a darker green. Pkt., 10c; oz., 25c; ¼ lb., 65c.

S-90 Rhubarb Chard. A recent introduction having all the chard characteristics excepting mid rib. Pkt., 10c; oz., 35c; ¼ lb., 95c.

NEW ZEALAND SPINACH

SINGLE PLANT OF NEW ZEALAND SPINACH. Pkt., 10c.

S-8 New Zealand Spinach. Tetragonia Expansa. 60 days. While this is not a member of the Spinach family proper, it furnishes an abundance of delightful "greens" throughout the summer and right up to cold weather. Both the leaves and the stalks of the plant are very fleshy and extremely brittle and of the finest quality when cooked. Sow as soon as the garden is prepared in rows 3 feet apart and thin the plants to stand 2 feet apart in the rows. Soak the seed before sowing. Pkt., 10c; oz., 35c; ¼ lb., $1.00.

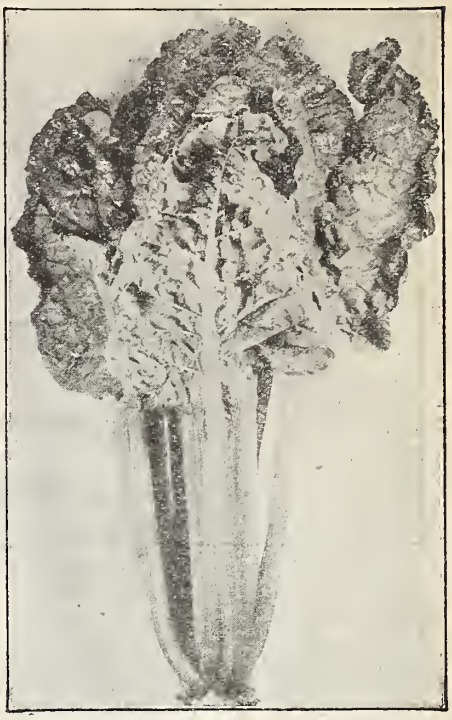
GARDEN SORREL

S-3 Is boiled and served like spinach, also delicious for soups. As the hot sun tends to increase its acidity, a northern exposure is advisable. It should be sown in drills 18 inches apart. It is hardy, but should be divided every four years. Pkt., 15c; oz., 75c.

Milo, Maine.

"Your Vaughan Cucumber was the best we have ever raised, excellent for table use, and the large ones (for a sweet pickle) were perfect, not a blemish—even when allowed to grow to mammoth size. The vines were so healthy, no disease— we had a very dry June and did not expect to have any cucumbers, but were so happily surprised.

Truly yours,
Flora Wingler.



FORDHOOK SWISS CHARD. Pkt., 10c.

MUSTARD

Leaves useful as salad or boiled like Spinach. Matures in 30 days

M-76 Tendergreen. A new variety of greens, producing only a small root, but large green leaves having a small rib. It is ready for table or market in 21 to 25 days and will produce 8 to 9 crops a year. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

M-71 Chinese Smooth. Large, light green, smooth leaves, borne well above the ground. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

M-72 Florida Broadleaf. Upright growing, deep green leaves, fairly smooth. Desirable for greens because of the ease of preparing and its pleasant pungent flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

M-73 Giant Southern Curled. Large leaves often measure 14 inches; ready for use in about six weeks after sowing. Plants will continue to yield until frosty weather. Leaves boiled like spinach. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

M-74 Improved Ostrich Plume (Fordhook). The handsomest of the mustards. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

M-75 White London. Good for general use. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

Kale or Borecole

GREENS for early fall, winter and spring. Sow seed about middle of June, later transplant to rows 2 to 2½ feet apart. Dwarf sort can be sown later. Frost improves flavor.

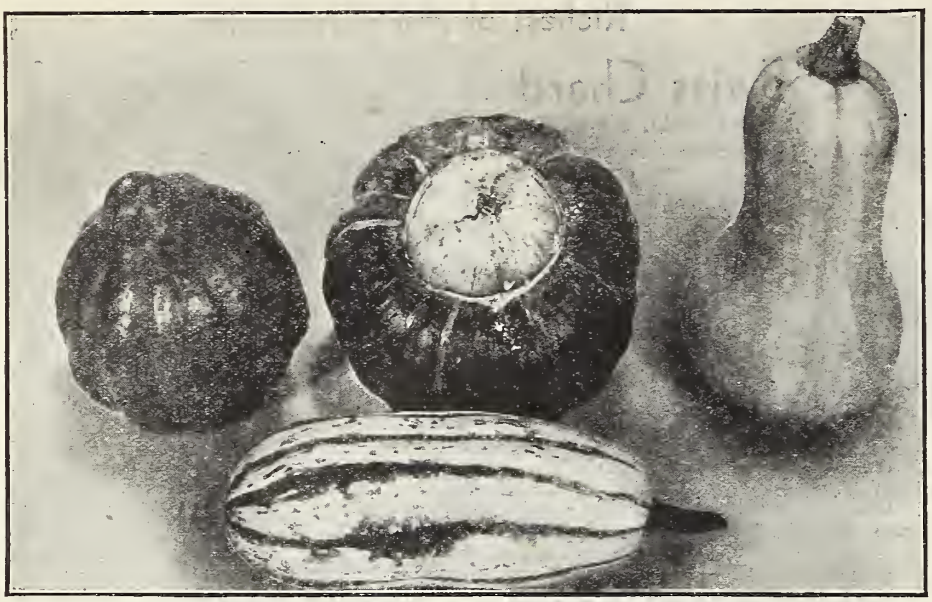
K-1 Dwarf Green Curled. In about 55 days. Leaves curly as Parsley, tender and very fine flavor. Immense quantities produced in south find ready sales in the north. Pkt., 10c; oz., 30c; ¼ lb., 90c.

K-3 Tall Green Curled. About 60 days. Pkt., 10c; oz., 35c; ¼ lb., $1.00.

September 11, 1947

"I received 1st prize on Italian Canner Tomato at American Institute of Banking Garden Show. Seed was furnished from you. I am a customer of yours over 50 years." Ernest H. C. Sundmacher, Lombard. Ill.

Squash Improved in Taste and Texture



REAR, LEFT TO RIGHT, ACORN, BUTTERCUP, BUTTERNUT.
FRONT, SWEET POTATO IMPROVED.

GROWING popularity of squash as both summer and winter vegetable is due to the improvement in flavor, and texture of the flesh, and to the new methods in cooking, which bring the squash to the table with its taste unimpaired. For summer, bush squash and vegetable marrows are best suited to the home garden, the latter being delicious at all stages, from infancy to maturity. The new winter varieties Buttercup and Butternut, have rapidly become rivals of the older types in popularity.

Sow one inch deep, in light soil, sunny location. Space bush types 3 feet apart in row, vine types in hills six feet apart, 3 plants to hill. Use summer squash at any size, delicious in baby stage.

WINTER VARIETIES

S-20 Acorn, Table Queen or Des Moines. 80 days. Extremely prolific; one of the most popular for home, market garden and shipping; fruits pointed acorn shape, 5½ inches long and 4 inches through; skin smooth, dark green; shell thin; flesh light yellow, bakes dry and sweet. Pkt., 10c; oz., 35c; ¼ lb., 85c; lb., $2.50.

S-24 Butternut. 100 days. A recent introduction which has become very popular. Delicious when used for pies and excellent either baked or boiled. Resistant to stem borer. For description see Novelty Page 6. Pkt., 15c; oz., 50c; ¼ lb., $1.50.

S-23 Buttercup. 100 days. A distinct, outstanding winter squash developed at the North Dakota Agricultural College, highly productive, unique, turban-shaped, fruits 6 to 8 inches in diameter, slightly ribbed, deep dull green faintly striped and flecked with dull gray. Prominent button at blossom end, dry and of excellent quality. Pkt., 15c; oz., 50c; ¼ lb., $1.50.

S-30 Sweet Potato Improved. (Delicata Resistant). 100 days. Its vigorous vine, resistant to mosaic disease, produces fruits averaging 8 to 9 inches, 3½ to 4 inches in diameter. Cream skin is marked by green stripes; flesh thick, orange and of unsurpassed sweetness. Pkt., 10c; oz., 35c; ¼ lb., $1.00.

S-31 "Kitchenette" (Hubbard). 110 days. Name of "Kitchenette" because it is the smallest Hubbard, about 5 pounds. It is a glossy dark green. Pkt., 10c; oz., 35c; ¼ lb., 95c.

Delicious (Green or Golden). In 110 days. A fall and winter variety. The fruit varies from 5 to 10 pounds each.

S-27 Green. Pkt., 10c; oz., 35c; ¼ lb., 85c.

S-29 Golden. Pkt., 10c; oz., 35c; ¼ lb., 85c.

S-25 Chicago Warted Hubbard. 110 days. Fruits are slightly larger than True Hubbard. Skin is rough and dark green. Flesh bright orange, fine grained, rich and dry. Pkt., 10c; oz., 35c; ¼ lb., 85c.

S-22 Blue Hubbard. 110 days. A third larger than Chicago Warted and more prolific. We believe that it is superior in yield, quality, size and keeping. The blue-gray shell is more attractive and many prefer it. Pkt., 10c; oz., 35c; ¼ lb., 85c.

S-35 Original Hubbard. In 110 days. Not as large as Chicago Warted, but in shape and quality it is similar. Flesh is sweet and fine grained, and fruits keep well in winter. A favorite with the farmers. Pkt., 10c; oz., 35c; ¼ lb., 85c.

NEW ITALIAN MARROW IN FOUR STAGES GROWTH, ALL DELICIOUS

VEGETABLE MARROWS

New Italian Marrow. (Zucchini). 60 days. When matured it is 18 in. long, 5 to 7 inches in diameter and an excellent keeper, very dark green. A bush type and very productive. There is nothing better for slicing and frying when small; if kept picked, it will continue to bear until frost. Delicious in the baby stage, 3 to 6 inches long.

S-34 Light Green or Gray Strain. Pkt., 10c; oz., 30c; ¼ lb., 85c.

S-33 Dark Green or Black Strain. Pkt., 10c; oz., 30c; ¼ lb., 85c.

S-26 Cocozelle (Italian Vegetable Marrow). Ready in about 65 days. A bush variety. Fruits oblong, ribbed, 2 ft. in length. Color dark green with yellow and darker green stripes. Very fine flavor. Pkt., 10c; oz., 30c; ¼ lb., 85c.

S-28 English Vegetable Marrow. About 100 days. (Cucurbita Pepo.) The fruit is generally eaten when less than half grown, as the flesh is then very tender. Also an excellent winter keeper when mature. Pkt., 10c; oz., 35c; ¼ lb., 85c.

Portland, Oregon.

Your Buttercup Squash bears very well here and is very satisfactory for back-yard gardens. Your Pensteman Sensation Mixed produced some beautiful flowers and colors and have bloomed for two years, and will bloom again this year.

Sincerely,
Helen L. Napier.

BUSH TYPE

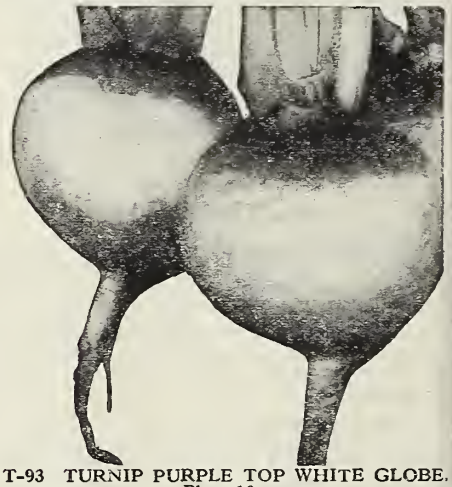
S-36 Prolific Straightneck. 55 days. Excels in tenderness, color and productiveness. Served when about 6 in. long, it is delicious. Pkt., 10c; oz., 30c; ¼ lb., 75c.

S-32 Mammoth White Bush. About 60 days. The leading white summer squash. It is an improvement on the "Early White Bush Scallop" in that fruits are quite a bit larger. Vines are extremely prolific and disease resistant. Fruit should be used when immature. Pkt., 10c; oz., 30c; ¼ lb., 75c.

S-37 Giant Yellow Summer Crookneck. In about 55 days. Our strain produces fruit, nearly double the size of the old "Crookneck." (Cucurbita Pepo.) Pkt., 10c; oz., 30c; ¼ lb., 75c.

S-21 Banana Squash. In 105 days. Of sweet potato quality, 12 inches long, 6 inches in diameter, gray green. Pkt., 10c; oz., 35c; ¼ lb., 80c.

S-38 Yellow Summer Crookneck. Popular for home, market garden and shipping. Fruits are 12 to 14 inches long and 3½ inches through; neck curved, skin orange, flesh yellow, moderately warted. Pkt., 10c; oz., 30c; ¼ lb., 75c.



T-93 TURNIP PURPLE TOP WHITE GLOBE. Pkt., 10c.

Turnips

TURNIPS are cool weather plants and thrive best in Spring and Fall. For early use, seed should be sown as soon as the ground can be prepared; it will give roots large enough for the table in six to ten weeks. For the Fall crop seed should be sown June to August and the plants will grow until freezing weather, when they should be harvested and stored.

T-93 Purple Top White Globe. 57 days. Originated from "Purple Top Flat Turnip," is extensively planted and popular for its fine qualities. The flesh is firm, fine grained, sweet and rich flavored; it is of good size, globe shaped, fine appearance, a good keeper. Pkt., 10c; oz., 15c; ¼ lb., 45c.

T-92 Purple Top Strap-Leaved. About 46 days. A table variety, fine, tender and deliciously flavored. It is broad shaped, medium size, white flesh, fine grain, splendid quality. Pkt., 10c; oz., 15c; ¼ lb., 45c.

T-87 Early Snowball. In 40 days. A very attractive medium size turnip of outstanding quality. Roots brown; clear white both interior and exterior, flesh fine grained, sweet and tender. Pkt., 10c; oz., 35c; ¼ lb., 55c.

T-88 Early White Milan. In 42 days. This can be used spring or fall. The skin is smooth, snowy white, has a polished appearance; medium size, white, tender, sweet. Pkt., 10c; oz., 15c; ¼ lb., 45c.

T-95 Shogoin. 30 days. An extremely useful sort, it is quick growing and supplies large edible strap leaves as well as smooth globular roots of superior quality. Resistant to aphis and plant lice. Pkt., 10c; oz., 15c; ¼ lb., 45c.

T-94 Seven Top. 30 days. A variety much grown in the south for the tops, which are used as greens. Pkt., 10c; oz., 15c; ¼ lb., 35c.

T-89 Extra Early Purple Top Milan. About 42 days. Standard sort for the home and market garden and for forcing. Roots are flat and tops small with strap leaves. Pkt., 10c; oz., 15c; ¼ lb., 45c.

T-86 Cow Horn or Long White. In 70 days. Chiefly grown for stock feed but very good for edible use. Roots 12 to 15 inches long, tapered, slightly crooked. Pkt., 10c; oz., 15c; ¼ lb., 45c.

Tomato is No. 1 Home Garden Crop

NO HOME garden should be without this crop, which excels in nutritive value, heavy yield for space occupied, and the many ways in which it can be served. Whether the big ones or the commercial type are preferred for a main crop, an early variety should always be grown to start the harvest.

Plants started six to eight weeks before are set out two weeks after frostproof date when all danger of chill is over. Pruned plants can be grown to stakes or fence 18 inches apart; space unpruned 2 to 4 feet apart. Plants for late varieties can be grown from seed in open, preferably not transplanted.

Littlerock, California

"I just went to tell you how much pleasure our Vaughan's Flower Garden has been to us this seasoo. The Petunias and Dwarf Dahlias have been exceptionally fine. Also the tomato Break O'Day has done exceptionally well in our desert heat. We highly recommend it. It does best when shaded with corn, as our summer sun frequently scalds the ripening fruit.

Sincerely yours,
Samuel E. Keeton

T-30 TOMATO MARGLOBE. Pkt., 10c.

LARGE TOMATOES

T-19 Giant Tree. The most outstanding large tomato for size and quality, for description see Novelty Page 4. Packets only. 50c.

T-36 Ponderosa. Matures in about 88 days. One of the best for home use, fruits deep purplish pink, extremely large, commonly 9 to 12 oz. each; deep, but flat; very fleshy with few seeds; a very mild non-acid flesh. Pkt., 10c; ½ oz., 50c; oz., 95c.

T-34 Oxheart. Matures in about 90 days. Popular, late home garden variety, fruits are heart shaped, pink, flesh solid with few seeds, of mild flavor and very choice for salads. Pkt., 15c; ½ oz., 65c; oz., $1.25.

T-12 Crimson Cushion or Beefsteak. In about 96 days. Is very large, round and regular; bright scarlet skin, solid flesh of best quality, seed cells small. Pkt., 15c; ½ oz., 65c; oz., $1.25.

Wilt Resistant Strains

T-30 Marglobe. 77 days. Second-early, red-fruited variety suitable for market or canning. Almost as early as Bonny Best, produces large, smooth, meaty, globular red fruits which ripen uniformly and are relatively free from cracks. They make a splendid canned product and first class pulp. Pkt., 10c; ½ oz., 35c; oz., 60c.

T-31 Marglobe, Certified. Pkt., 15c; ½ oz., 40c; oz., 75c.

T-39 Rutgers. 86 days. A New Jersey Experiment Station cross on Marglobe. Slightly more flat than Marglobe and highly recommended as a second early variety for canning and tomato juice. Pkt., 10c; ½ oz., 35c.

T-40 Rutgers, Certified. Pkt., 15c; ½ oz., 40c; oz., 75c.

T-18 Garden State. A recent introduction growing in popularity; plants are large and highly productive, fruits bright red, smooth, globular and extremely solid. We highly recommend this. Pkt., 15c; ½ oz., 45c; oz., 85c.

T-38 Pritchard (Scarlet Topper). 76 days. The fruit is solid, yield heavy and the color a brilliant red. It is a resistant second early of great merit. Pkt., 10c; ½ oz., 40c; oz., 70c.

T-37 Pritchard, Certified. Pkt., 15c; ½ oz., 45c; oz., 80c.

T-47 Valiant. 70 days. Maturing after Earliana but before Rutgers. Valiant will yield a fine crop, averaging 7 ounces per fruit. The fruits are smooth, heavy, solid and of fine quality, with a sparse vine growth; preferable where early maturity is paramount. Pkt., 20c; ½ oz., 55c; oz., 95c.

T-8 Break O'Day. 70 days. A wilt resistant tomato that is nearly as early as Earliana and as productive as Marglobe. Its fruits are large, smooth, meaty, red and globular, very similar to Marglobe but usually larger. Used whole for salads or stuffed. Pkt., 10c; ½ oz., 40c; oz., 75c.

T-9 Break O'Day, Certified. Pkt., 15c; ½ oz., 50c; oz., 90c.

T-22 Grothen's Globe. 68 days. Very popular in the south. A selection from Break O'Day, having much heavier vines. Fruits red, globe shape, thick walls, firm, free from yellow color at stem end. Average 7 to 8 oz. Pkt., 10c; ½ oz., 45c; oz., 85c.

T-15 Early Baltimore, Certified. 73 days. Illinois University selection, thriving on all soils, smaller fruit, solid bright color and heavier yield. Pkt., 15c; ½ oz., 40c; oz., 75c.

No Seed Hormone Blossom Set. For Tomatoes and other vine crops such as Peppers, Cucumbers, Egg Plant, Squash, etc. Spray blossoms to insure seedless and earlier crops. Price 4 oz., $1.00. Makes 1 gallon solution. Pint, $2.50; ½ gal., $7.50.

T-16 TOMATO EARLY CHATHAM. Pkt., 15c.

EARLY, SMALL VINES

Do Not Prune.

T-16 Early Chatham. 60 days. The earliest tomato to mature fruit that we know of; fruits are small, very productive and rich red color. Exceptionally good for northern districts. Pkt., 15c; ½ oz., 50c; oz., 90c.

T-7 Bounty. 65 days. Compact, small vine, not to be staked. Introduced by Dr. Harold Mattson, North Dakota Experiment Station. Excellent for the home garden, very productive. Pkt., 15c; ½ oz., 50c; oz., 90c.

T-17 Firesteel. 65 days. A small vine tomato that produces remarkably large fruits early. Varieties are smooth, red of semi-acid flavor. It will set fruit when other types are dropping their blossoms and it resists cracking. Pkt., 15c; ½ oz., 50c; oz., 90c.

EARLY, LARGE VINES

T-41 Earliana. 66 days. Large, smoothb right red, compact with stout jointed branches; the vines yield well and the fruit is of fine quality. Pkt., 10c; ½ oz., 45c; oz., 85c.

T-25 John Baer. About 70 days. Only a few days later than Earliana. John Baer yields a much heavier crop of larger, more uniform and attractive red fruits. Most profitable extra early sort. Pkt., 10c; ½ oz., 40c; oz., 75c.

T-26 John Baer, Certified. Pkt., 15c; ½ oz., 50c; oz., 90c.

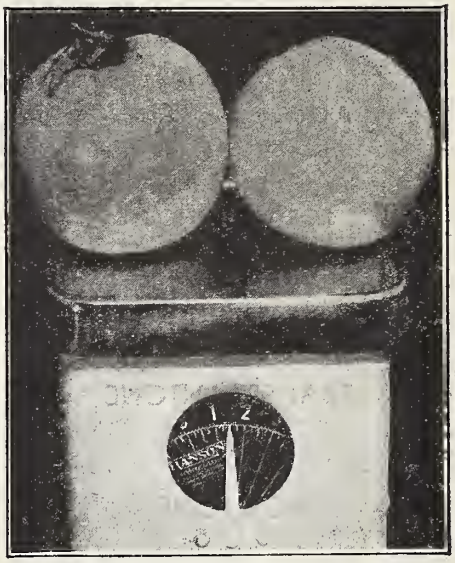
T-5 Bonny Best. 74 days. A shade later than John Baer. Smooth, large and uniform fruit; yields well until frost. Pkt., 10c; ½ oz., 40c; oz., 75c.

T-6 Bonny Best, Certified. Pkt., 15c; ½ oz., 50c; oz., 90c.

SEEDLESS-SET CONCENTRATE

Make Every Tomato Flower Set Fruit

Apply with any spray to flowers of tomatoes, cucumbers, peppers, egg plants. Fruits produced by blossoms sprayed are **seedless**, of premium quality. Developed by famous Boyce-Thompson Institute. One-half ounce will treat 100 plants, **$1.00**; 2 oz., **$2.50**; 20 ounces, **$7.50**, prepaid.



T-27 TOMATO JUBILEE. Pkt., 20c.

BEST YELLOW VARIETY

T-27 Jubilee. 72 days. All America bronze medal, 1943. Among home gardeners this variety has quickly become one of the most popular, both for salad and for exhibition. Many consider that in heavy production of high quality fruits, uniform in both shape and size, it has no superion. Mature fruits average morethan half a pound; deep orange inside and out with solid flesh and so few seeds as to make seed production a problem. It is an excellent salad variety, with mild, non-acid flavor, but no flat, and it can be canned witg success, but some will consider its juice insipid. Its viner graw vigorously and can be staked and pruned. Pkt., 20c; ½ oz., 50c; oz., 95c.

OTHER POPULAR VARIETIES

T-32 New Globe. Matures in about 82 days. This ball-shaped variety yields a heavy crop. The skin is a smooth, purplish pink. Uniform fruits. Pkt., 10c; ½ oz., 50c; oz., 95c.

T-20 Greater Baltimore (Indiana Strain). In about 83 days. Similar to Stone and very productive, fruits deep scarlet red often weighing 6 ounces; smooth and very solid. Pkt., 10c; ½ oz., 45c; oz., 75c.

T-21 Greater Baltimore (Indiana Strain), Certified. Pkt., 15c; ½ oz., 50c; oz., 85c.

T-13 Dwarf Champion. About 86 days. Smooth skin, small core, fine-grained flesh with little acidity. Pkt., 10c; ½ oz., 45c; oz., 80c.

T-23 Improved New Stone. 86 days. Smooth skin, small core, fine-grained flesh with little acidity. Pkt., 10c; ½ oz., 30c; oz., 50c.

T-24 Improved New Stone, Certified. Pkt., 15c; ½ oz., 40c; oz., 65c.

T-14 Dwarf Stone. The Largest Dwarf Tomato. 92 days. It resembles "Dwarf Champion," but is of stronger growth and more erect. Pkt., 10c; ½ oz., 50c; oz., 95c.

PEAR TOMATOES.

SMALL FRUITED TOMATOES

Very Desirable for Pickles and Preserves. Mature in about 73 days.

Any of the following, pkt., 10c; ½ oz., 40c; oz., 75c

T-53 Red Currant. Very small.

T-52 Red Cherry. Small fruit, bright scarlet.

TWO PEACH TOMATOES

T-54 Red. **T-57 Yellow.**

FRUIT 2-INCHES

T-59 Yellow Plum. **T-58 Yellow Pear.**

T-50 Ground Cherry, Husk or Strawberry. The small yellow fruit is enclosed in a husk. It is very sweet; prized for eating, preserving and making pies.

T-51 Italian Canner. 75 days. A very productive, long plum-shaped tomato. It is firm, not having any hollow parts, and the walls are exceptionally thick. Remains edible in storage two weeks after picking or frost. Pkt., 10c; ½ oz., 40c; oz., 75c.

FOR GREENHOUSE

T-45 Livingston Globe. Pink.

T-46 Michigan State Forcing. Red.

The above, pkt., 25c.

Plant Hormones

TRANSPLANTONE

One level teaspoon makes 10 gallons of solution, water your plants with Transplantone to get better roots, more vigorous growth and quality flowers. ½ oz., pkt., **25c**; 3 ounce can, **$1.00**; 1 lb. can, **$4.00.**

ROSETONE

A proven combination of Hormones and Vitamins. Insures the success of your roses. Soak roots of your bushes in Rosetone before planting. Water your established rose bushes for better growth. ½ oz. packet will treat three to four average size rose bushes. Price each ½ oz. packet, **25c**; 3 oz., **$1.00.** Full directions on package.

FRUITONE

Hormone spray for preventing preharvest drop of apples. Holds apples on the tree longer. Fruitone sprayed on flowers produce better set of seed and fruit, such as tomatoes, and beans. 2/5 oz. pkg., **25c**; 2 oz. can, **$1.00**, makes 25 gals. of spray; 8 oz. can, **$5.00.**

Fruit-Hold. Prevents premature drop of fruit. Contains alpha naphthyl acetic acid. Will not spot fruit, mixes easily and leaves no objectionable residue. ¾ oz., **50c**; 2 oz., **$1.00**; 8 oz., **$5.00**; 1 lb., **$7.50.**

ROOTONE

A hormone powder easy to use, which stimulates root development. No skill is needed to apply, just dip and plant. Price, ¼ oz. pkg., **25c**; 2 oz. jar, enough to treat 3,000 cuttings, **$1.00**; 1 lb. jar will treat up to 30,000 cuttings, **$5.00.**

Rootone No. 10. For rooting of Azaleas, and other woody cuttings. 2 oz. jar, **$2.00**; 1 lb. can, **$10.00.**

Write for leaflet; all postpaid.

HORMODIN POWDERS

Stimulate Root Growth on Cuttings.

POWDER NO. 1. Designed primarily for use on Carnations, Chrysanthemums, Poinsettias, Roses and similar types. **Price,** 1¾ oz. pkg., each, **50c**; 1 lb., **$3.00.**

POWDER NO. 2. Designed for use on less sensitive species, which comprise many of the semi-wnody types and many of the common shrubs. **Price,** 1¾ oz., **75c**; 1 lb., **$4.50.**

POWDER NO. 3. Designed for use with the more resistant species which comprise most of the evergreens and dormant leafless cuttings. **Price,** 1 oz., **$1.00**; ½ lb., **$4.50.**

COMBINATION PACKAGE OF NO. 1-2-3. In one carton, each, **75c.**

For the Herb Garden

BORAGE.

ROSEMARY.

H-20 Mixture of Annual Herb Seeds for 25c. This is intended to meet the needs of those who want to grow a row or bed of herbs without sowing a full packet of each variety. It will contain all available varieties of useful annual herbs. Sow in a nursery row, or seed box and transplant to a row or border in the garden.

H-21 Mixture of Perennial Herb Seeds for 25c. For small gardens this will give enough plants of assorted varieties to supply the family needs, without the expense of purchasing a packet each. Sow in a nursery row and transplant in the fall to a permanent location.

H-1 Anise. Used for garnishing, seasoning and for cordials. Pkt., 15c; ½ oz., 30c; oz., 50c.

H-17 Basil, Sweet. The leaves are used for flavoring soups and stews. Pkt., 15c; ½ oz., 35c; oz., 65c.

H-3 Borage. Flowers excellent for bees. Leaves used in salads. The flower spikes can be used in cooling drinks. Pkt., 10c; ½ oz., 35c; oz., 60c.

H-4 Caraway. Seeds are used for flavoring bread, pastry, meats, etc. Pkt., 15c; ½ oz., 40c; oz., 75c.

H-5 Catnip. Grown for bee pasture. The leaves and young shoots are used for seasoning. Pkt., 15c; ½ oz., 70c; oz., $1.35.

H-7 Coriander. The seeds are used for flavoring. Pkt., 10c; ½ oz., 30c; oz., 50c.

H-8 Dill. Leaves are used in pickles and for flavoring soups and sauces. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00.

H-10 Horehound. The leaves are used for flavoring and also in the manufacture of cough remedies. Pkt., 15c; ½ oz., 50c; oz., 90c.

H-12 Lavender Vera or True. The best. Pkt., 25c; ¼ oz., 50c; ½ oz., 90c; oz., $1.75c.

H-13 Rosemary. Pkt., 15c; ½ oz., 40c.

H-14 Saffron. Used for coloring dishes, also, flavoring. Pkt., 15c; ½ oz., 40c; oz., 70c.

H-16 Summer Savory. The leaves and young shoots are used for flavoring. Pkt., 15c; ½ oz., 40c; oz., 75c.

H-15 Sage. English Broad Leaf. Pkt., 15c; ½ oz., 40c; oz., 75c.

H-9 Sweet Fennel. The leaves boiled are used in fish sauces and are excellent for garnishing. The seeds are used for flavoring. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., $1.35.

H-18 Sweet Marjoram. Pkt., 15c; ½ oz., 40c; oz., 70c.

H-19 Thyme. Used for seasoning; a tea is also made for nervous headache. Pkt., 25c; ¼ oz., 60c; ½ oz., $1.00; oz., $1.85.

Plants for Your Herb Garden

Ten Annual Herb Plants, Your Choice, by Express, at Buyer's Expense, for $2.50.
Ten Perennial Herb Plants, Your Choice, by Express, at Buyer's Expense, for $3.00.

The following Herb Plants will not be sold less than three or more of a kind except where ten or more are ordered.

Plants in small lots are shipped by parcel post, but in lots of 10 or more are shipped by express at buyer's expense.

SCENTED VARIETIES

Ready May 1. 3 of a kind, $1.35 prepaid.

True Tarragon, Balm Scented Pelargonium, Camphor Scented Pelargonium, Nutmeg Scented, Pine Scented, Giant Oak Leaved, Rosemary, Snowflake Geranium, Walnut Scented Geranium, Rose Geranium, Pineapple, Salvia, Fair Ellen, Pheasant's Foot Geranium and Robers Lemon Rose.

PERENNIAL VARIETIES

Ready May 1. 3 of one kind, prepaid, $1.25; in lots of 25 or more, any varieties, 25c each by express collect.

Burnet, Chicory or French Endive, Chives, Coltsfoot, Comfrey, Costmary, Germander, Horehound, Hyssop, Horseradish, Lavender Cotton, Green Lavender Cotton, Lovage, Curly Mint, Spearmint, Round Leaved Mint, Catnip, Pine applemint, Oregano, Peppermint, Rue, Sage, Wide Leaved English Sage, Winter Savory, Sorrel, Southernwood, Dwarf Southernwood, Sweet Marjoram, Tansy, Kitchen Thyme, Lemon Thyme, Lemon Balm.

ANNUAL VARIETIES

Ready May 1. 3 of one kind, $1.15 prepaid; in lots of 25 or more, any varieties, 20c each by express collect.

Sweet Basil, French or Soup Celery, Celeriac, Chervil, Florence Fennel, Garlic Plants, Parsley, Summer Savory.

Sampler Box of Dried Herbs, $1.50

Liberal amounts of the following, each in a glassine envelope, including: Basil, Lovage, Mint, Sage, Tarragon, Thyme, Poultry Seasoning, Fish Herbs, Omelet Herbs, Salad Herbs, Meat Herbs and Tomato Herbs.

Magic Box of Culinary Herbs, 4 jars, your selection, $1.50; 6 jars, **$2.00**

Basil, Celery, Chives, Dill, Fennel, Powdered Garlic, Lovage, Marjoram, Mint, Parsley, Rosemary, Sage, Savory, Thyme, Poultry Seasoning, Fish Herbs, Savory Meat Herbs, Omelet Herbs, Salad Herbs. Tomato herbs.

No C.O.D. shipments can be made of any of these items.

Vaughan's Gladioli

Lake Geneva Collection GLADIOLI

Ten of each of the following ten representative varieties of Gladioli (100 first size Bulbs) will be sent postpaid, for $10.00

10 Minuet, Large Lavender
10 Purple Supreme, Deep Purple
10 Beacon, Salmon-Scarlet
10 Vagabond Prince, Smoky Old Rose
10 Gold Dust, Yellow
10 Picardy, Apricot Pink
10 Margaret Beaton, White Red Blotch
10 Ethel Cave-Cole, Light Pink
10 Blue Beauty, Light Blue
10 Snow Princess, White

Please allow us to substitute other varieties if we are sold out when your order is received.

BEST OF THE NEW INTRODUCTIONS

Abu Hassan (Pfitzer). Dec. A beautiful clear dark blue medium size bloom on a tall straight spike. Excels Pelegrina both in color and growth. Each, 35c; doz., $3.50.

Bloemfontein (Pfitzer). Ex. Color salmon with soft yellow blotch. Its large wide open flowers many of which bloom at a time, are of heavy texture and beautifully placed on a stiff stem. Each, 35c; doz., $3.50.

Burma (Palmer). Very deep rose with wide open heavily ruffled blooms. After the first floret opens practically every bud will show color. An extra fine exhibition variety and a good commercial for local use. Always wins its share of blue ribbons. Each, 30c; doz., $3.00.

California (Salbach). Sold under protection of U. S. Patent No. 359. Very large wide open geranium pink with slightly deeper pink blotch in throat. Blooms are of good substance and open well when cut. Tall plants, with long flower spikes that are always straight. Grows and blooms especially well in dry hot climate. Each, 30c; doz., $3.00.

Convoy (Palmer). Ex. Clear rose purple, slightly deeper in throat. Florets are large, of good texture and well placed on tall spikes. One of the finest purples. Each, 25c; doz., $2.50.

Corinne Vaughan. (Vaughan). An orchid self, with the tallest spike and largest florets yet produced in this color. It is definitely earlier than Minuet, which in our opinion, it surpasses in size and beauty. It has exceptionally large florets, well placed and facing properly. Each, 50c; doz., $5.00.

Cover Girl (La Salle). Ex. Giant medium pink that opens 10 to 12 large florets at the same time and grows up to six feet tall. Each, 50c; doz., $5.00.

Fay (Jack). Dec. Pink with a cream throat. Fay is an extra fine early cut-flower variety. Opens 7 well arranged florets with slightly ruffled petals. Each, 35c; doz., $3.50.

Firebrand (Butt). Ex. A striking fiery red, opening ten large florets on a tall spike, petals slightly ruffled. Each, 30c; doz., $3.00.

Gelber Herald (Yellow Herald) (Pfitzer). Dec. Color amber yellow, carmine in the throat; an improved Gate of Heaven. The large wide open flowers are well placed and spaced on a strong stem. Each, 40c; doz., $4.00.

Genghis Khan (Scheer). Ex. A striking medium pink. Opens 7 florets of very heavy substance. Florets are so heavily ruffled as to be actually corrugated. It is a very healthy robust grower and fine propagator. It is an extra fine pink cut-flower. Each, 60c; doz., $.600.

Golden State (Wheeler). Dec. Clear rich medium yellow with a pink feather in the throat. Opens a double row of 8 to 10 blooms on a long flower head. It is a good dependable grower and propagates well. Each, 50c; doz., $5.00.

High Life (Pfitzer). Dec. Color clear light blue similar to Mrs. VonKonynenburg. Its stem is tall and upright and blooms with as many as up to ten wide open flowers at a time which are well placed and spaced. Each, 60c; doz., $6.00.

SILVER WINGS

SIR GALAHAD

SPOTLIGHT

Huntress (Jack). Ex. Very early lavender pink, opening 6 to 8, 4½ inch florets perfectly placed on a stem of medium height. First quality lavender to flower. Each, 75c; doz., $7.50.

John Van Koynenburg (K & M). Ex. Best European red, improvement on New Europa. Opens 10 large florets together. Each, 50c; doz., $5.00.

King of Hearts (Salbach). Sold under protection of U. S. Patent No. 360. Perhaps the largest of all gladiolus and yet not the least bit coarse. The individual florets measure from 8 to 8½ inches in diameter. The flower stalks are not thick, but are strong and wiry, adding to the grace of this fine new variety. The plants are vigorous in growth, and tall with long flower spikes, often 2½ feet long. Blooms are of heavy substance, are perfectly placed and as many as eight open at once. The color is a light coral red to pink. Each, 30c; doz., $3.00.

Marguerite (Pommert). Ex. Makes a massive spike of deep watermelon pink, with cream throat. Tall spike with unusually long flower-head. Its exceptional lasting qualities make it a good cut flower. Each, 25c; doz., $2.50.

Miss Wisconsin (Kreuger). Ex. A beautiful rose-pink that is outstanding. Opens 6 to 8 five-inch florets on a medium height plant. Each, 45c; doz., $4.00.

Oregon Gold (Majeski). A massive five-foot plant, carrying 20 to 24 buds and flowers. Florets of Picardy size and 9 to 10 open at once. A large medium yellow blending to deep yellow in throat. Good producer of bulblets which germinate. Each, 20c; doz., $2.00.

Oriental Pearl (Carlson). Ex. A giant cream colored variety which some prefer to Leading Lady. Florets sometimes measure 7 inches across with 4 to 6 open at the same time. A vigorous grower, and heavy propagator. Each, 45c; doz., $4.50.

Pink Radiance (Quackenbush). Ex. Pure light pink with silvery sheen and with slight touch of carmine deep in the throat. Blooms are well placed and of heavy texture. Each, 25c; doz., $2.50.

Pioneer (La Salle) Ex. A giant deep salmon pink, opening six to eight six inch blossoms together on a straight, strong 5½ foot spike. Each, 35c; doz., $3.50.

Purple Supreme (Wilson). Dec. Tall plant with many well placed bright purple flowers. Fine exhibition variety. Each, 25c; doz., $2.50.

Red Charm Butt). Ex. One of the finest medium reds, opening 8 to 9 large well placed florets on tall straight stem. Thrives in hot weather. Each 25c; doz., $2.50.

Silver Wings (Ritsema). Ex. A wonderful white sport of Picardy. Opens 7 or 8 glistening white florets with most of the remaining buds showing color. Florets are 6 inches across and are very ruffled. All the buds will open to the very tip. Plants are strong and healthy and beyond a doubt it is at the head of the white class. Each, 35c; doz., $3.50.

Sir Galahad (Salbach). Sold under protection of U. S. Patent No. 356. A study in contrast, for the purity of its soft creamy yellow is enhanced by its diamond shaped blotch of rich crimson in the deep cream colored throat. A pure and perfect flower, well named for Galahad, the perfect knight. Florets are large and wide open—long flower spike with at least 6 of the 18 flowers open at once. Blooms are perfectly placed, and are of heavy substance. Stems always straight. Each, 30c; doz., $3.00.

Spotlight (Palmer). Ex. Clean medium yellow with a small red throat blotch. Spotlight is one of the finest glads grown. Florets are of large size and are perfectly placed. It will open 7 and is a very good keeper. It also opens well from tight cut bud. Each, 30c; doz., $3.00.

Tivoli (K & M). Ex. Bred in Holland, this is a clear light rose, on tall stems, a strong grower, of top quality. Each, $1.00c; doz., $10.00.

Tunia's Mahomet (Both). Ex. A beautiful distinctive smoky, very deep velvety smoky plum rose with orange scarlet in throat. This variety not only has color value but makes stunning spikes with 8 inch florets of which 8 will open at once on a long stem. Each, 60c; doz., $6.00.

Valeria (Pruitt). Dec. Improvement on Dr. Bennett, soft red with a narrow mark of ligt cream in the throat. Stands heat well; never crooks. Five to seven large ruffled flowers of good substance open at one time. Each, 20c; doz., $2.00.

Vangold (Van Voorhis). Ex. A clean deep golden yellow, Vangold was one of the surprise performers in our cut-flower planting this season. Opens 6 to 8 five-inch plain petaled florets on a medium height plant. Each, 35c; doz., $3.50.

BULBS SHIPPED SEPARATELY FROM SEED

Because of weather conditions during January, February and early March, we prefer to send out bulbs after March 20th, except to customers in the south or California, to whom we ship at once, packed against freezing. Customers should open the package upon arrival, and if bulbs cannot be planted at once, they should be placed in a dry and frostproof cellar until ready to plant.

Vaughan's "Standard" Mixture: 50 Bulbs. First Size . . $2.75

We do not send out any mixtures that will not make a brilliant showing in the gardens of our customers. This one will be found satisfactory everywhere, for mixed beds, borders and masses. These are first-size bulbs. Where wanted by mail add for postage at zone rates, 100 bulbs packed, 6 lbs.

Price, doz., 75c, postpaid; by express, not prepaid 50 for $2.75; 100 for $5.00; 250 for $12.00; 500 for $22.00; per 1,000, $40.00.

General List

PINK AND ROSE

Aladdin (Palmer). Ex. Grenadine to grenadine pink or in common language bright beautiful salmon with large cream blotch. 8-10 very large beautifully ruffled blooms open at a time on a long straight spike. Plant very strong and robust. Each, 15c; doz., $1.50; 100, $10.00.

Camellia (Palmer). Dec. Blush white tinted pink with slight pink feather. Each, 15c; doz., $1.50; 100, $10.00.

Chamouny (Baerman). Ex. Rich, light cerise rose with the faintest edging of light rose; perfectly placed florets on tall slender spike, eight or more open at same time. Each 20c; doz., $2.00; 100, $15.00

Early Rose (Jack). Dec. Medium rose shading to darker blotch. Great favorite with florists. Each, 15c; doz., $1.50; per 100, $10.00.

Ethel Cave-Cole (Cave). Ex. Pure light pink sometimes flaked. Very strong, husky grower. Makes a spike of 9-10 large, well placed blooms on a head of 20-24 buds. Fine for exhibition, cut flowers or for the home garden. Each, 20c; doz., $2.00; 100, $15.00.

Jeanie (Pruitt). Ex. Clear rich pink with white midribs and creamy yellow throat. Each, 15c; doz., $1.50; 100, $10.00.

Phyllis McQuiston (Stewart). Dec. A gorgeous pure pink. Each, 15c; doz., $1.50; 100, $10.00.

Picardy (Palmer). Ex. A most sensational flower of delicate apricot-pink. The individual florets are all extremely large, slightly ruffled and of heavy wax-like substance. Each, 15c; doz., $1.50; 100, $10.00.

Rosa Van Lima (Pfitzer). Dec. Pure self-colored light pink. Many flowers open at one time. Strong grower. Each, 15c; doz., $1.50; 100, $10.00.

PINK AND ROSE MIXED

Made up by ourselves from varieties listed and others. Doz., $1.25; 100, $8.00.

RED

Algonquin (Palmer). Dec. Early, brilliant glowing scarlet, 8-10 wide open ruffled needlepoint blooms open on a tall straight spike. Many people consider this the best scarlet on the market. Each, 20c; doz., $2.00; 100, $15.00.

Beacon (Palmer). Ex. Salmon-scarlet with creamy throat. Tall spike, eight florets open at once. Each, 15c; doz., $1.50; 100, $10.00.

Black Opal Ex. Deep maroon, somewhat marbled. Makes tall, symmetrical exhibition spikes, 10 open, 22 buds. Each, 20c; doz., $2.00; 100, $15.00.

Communist (Vaughan). Ex. Flaming red, lighter than Commander Koehl, more vivid than Dr. Bennett, with a better spike than either. The color is even except for deep crimson in the throat. Flowers in 100 days. Each, 50c; doz., $5.00.

Dr. F. E. Bennett (Diener). Ex. Scarlet throat stippled with ruby and white. Big, vigorous, a ribbon winner. Each, 15c; doz., $1.50; 100, $10.00.

Hawkeye Red (Heaton). Named for the grand old state of Iowa. A real commercial medium red. A sport of Vagabond Prince, identical save for color. It may be even a bit larger and wider open. Tremendous propagator and easy grower. Each, 30c; doz., $3.00.

Red Lightning (Pruitt). Dec. Bright pleasing red with cream blotch in the throat. Each, 15c; doz., $1.50; 100, $10.00.

Stoplight (Lins). Dec. A brilliant red that because of its consistent performance and excellent heat resistance looks to have a brilliant future in any climate. The lightly ruffled blooms are flat and wide open and well placed. Each, 20c; doz., $2.00; 100, $15.00.

RED MIXED

Made up by ourselves from varieties listed and others. Doz., $1.50; 100, $10.00.

YELLOW

Gold Dust (Pfitzer). Dec. New deep yellow. Each, 15c; doz., $1.50; 100, $10.00.

Mary Shary (Vaughan). Dec. Clear soft primrose-yellow with a deeper yellow in throat, faint marking in throat. Spike tall, straight and strong. Flowers well placed, 6 to 8 open. By artificial light remains a beautiful yellow for evening decorations. Each, 20c; doz., $2.00; 100, $15.00.

Mother Kadel (Kadel). Dec. Clear medium yellow with no markings. Well placed blooms. Tall spike. One of the best of the newer yellows. Each, 25c; doz., $2.50; 100, $18.00.

Yellow Emperor (Ellis). Dec. Clear deep yellow. Each, 15c; doz., $1.50; 100, $10.00.

YELLOW MIXED

Made up by ourselves from varieties listed and others. Doz., $1.30; 100, $9.00.

24 INDEX ON FINAL PAGES

MARGUERITE

LEADING LADY

CORONA

ORANGE

Bit of Heaven (Crow). Ex. Flaming orange with yellow throat. Each, 15c; doz., $1.50; 100, $10.00.

Dearborn (Vaughan). Dec. Immense florets of deep flesh color, light coral reflex, lip amber yellow, blending to flesh, marked with a feathering of deep crimson. Tall, straight spike with twenty or more florets, four to six open at a time, measuring five to six in. in diameter. Each, 15c; doz., $1.50; 100, $10.00.

ORANGE MIXED

Made up by ourselves from varieties listed and others. Doz., $1.50; 100, $10.00.

WHITE

Corona. (Palmer). Dec. Creamy white shading more creamy toward the throat with wide rose picotee edge on all petals. Very distinctive and beautiful. 6-8 very large wide open blooms on a head of about 18 buds. Tall, strong grower and a fine propagator. Ea., 15c; doz., $1.50; per 100, $10.00.

Leading Lady (Johnston). Ex. A white sport of Picardy. Just like Picardy except that it is a beautiful cream white with canary yellow throat. Each, 25c; doz., $2.50; 100, $18.00.

Margaret Beaton (Twomey). Ex. New immense white with orange-scarlet blotch. Each, 15c; doz., $1.50; 100, $10.00.

Silentium (Pfitzer). Dec. A striking white, blending to a cream center containing a small carmine marking. Slender stems, excellent placement with regularity, grand cut flower habits, fine blooms from the smaller size bulbs and a good propagator. Each, 20c; doz., $2.00.

Snow Princess (Pfitzer). Ex. A very fine new white of good size and form. Tall, with long flower spike and many open blooms that are always perfectly placed. Stems never crook. Snow Princess is one of the very best whites. Mid-season. Each, 15c; doz., $1.50; 100, $10.00.

White Gold (Scheer). Ex. Clear light cream shading to golden throat. 4-6 very large well placed blooms open at one time. Each, 15c; doz., $1.50; 100, $10.00.

WHITE MIXED

Made up by ourselves from varieties listed and others. Doz., $1.50; 100, $10.00.

LAVENDER

Badger Beauty (Krueger). Dec. A beautiful lavender of average height with a creamy white throat. The flower heads are about 20 inches in length and carry 17 buds, of which 5 open in the field. A promising mid-season cut flower variety. It does not fleck or grow crooked. Each, 20c; doz., $2.00; 100, $15.00.

Elizabeth The Queen (White). Ex. Clean mauve with darker lines on throat; beautifully ruffled. Very fine lavender of distinction Each, 20c; doz., $2.00; 100, $15.00.

Minuet (Coleman). Ex. Large light lavender. We recommend it. Each, 20c; doz., $2.00, 100, $15.00.

LAVENDER MIXED

Made up by ourselves from varieties listed and others. Doz., $2.00; 100, $15.00.

BLUE AND PURPLE

Blue Beauty (Pfitzer). Ex. Light blue, shading darker toward the edge. Large wide open flowers. Strong grower. Each, 20c; doz., $2.00; 100, $15.00.

King Lear. (Palmer). Ex. Very early. Clear deep purple with silver line on edge of all petals. Very large heavily waved and ruffled. 5-6 open. Each, 20c; doz., $2.00; 100, $15.00.

Pelegrina (Pfitzer). Dec. Deep blue. Each, 20c; doz., $2.00; 100, $15.00.

BLUE AND PURPLE MIXED

Made up by ourselves from varieties listed and others. Doz., $1.75; 100, $12.00.

SMOKY

Mother Machree (Stevens). Ex. Soft smoky lavender. Large flower and plant with beautiful coloring of lavender and orange, subdued with neutral gray. Each, 20c; doz., $2.00; 100, $15.00.

Vagabond Prince (Palmer). Ex. Iridescent, garnet brown, lighter in upper throat, small flame, scarlet blotch below. The color combination is very attractive. Each, 15c; doz., $1.50; 100, $10.00.

SMOKY MIXED

Made up by ourselves from varieties listed and others. Doz., $1.75; 100, $12.00.

Standard Varieties for Cutting Garden.

We offer the following excellent varieties, which are now produced in quantity, for your cutting garden or border display:

PINK—Debonair, Lulu Hunt, Margaret Fulton, Token. RED—Flaming Sword.

YELLOW—Gold Eagle, Miss Bloomington

LAVENDER—Berty Snow, SMOKY-Bagdad. WHITE—Maid of Orleans.

Each, 10c; doz., $1.00; per 100, $7.00.

Gladiolus Mixture. No. 4 Bulbs, prepaid, 6 for 25c; 50 for $1.50; 100 for $20.00.

D. D. T. FOR THRIPS

On the basis of tests made last summer we recommend the marvelous new insecticide D.D.T., for gladiolus thrips. A residue of this material clings to the plant after spraying or dusting and kills insects which touch it. It excels in lasting effect and completeness of kill. For suitable forms of D.D.T. See page 81.

D. D. T. 5% Dust. A ready-mixed garden dust; safe on all plants. 1 lb, 35c, postpaid, 45c; 5 lbs., $1.25, postpaid, $1.50.

Tartar Emetic. For those who prefer to use Tartar Emetic the U. S Department of Agriculture recommends, after plants have reached 6 inches in height, weekly spraying with the following formula: ¼ lb Tartar Emetic, 1 lb. brown sugar, 6 gallons of water.

We will ship Tartar Emetic, postpaid for ¼ lb., 35c; ½ lb., 60c; 1 lb., $1.00

Hardy Lilies for Spring Planting

NO ORDERS ACCEPTED AFTER APRIL 10th, 1949

HARDY lily bulbs, of 1948 crop, carried over the winter in cold storage, may be planted in the spring, and will blossom in mid-summer, when the garden needs their glory.

They are especially suitable for planting in borders, and enjoy a position where they are protected by the shade of surrounding plants. Light, well-drained soil is recommended. Bulbs should be planted 6 to 8 inches deep.

Many varieties develop roots on the stem up to two or three inches from the ground. These roots are voracious feeders, and on them depend greatly the number and size of flowers. When they appear, the plant should receive a top dressing of good rich soil on which they can feed freely.

For the smaller varieties, plant in clumps, each bulb about 6 inches apart, leaving more space for the strong and larger species. The most striking mode of planting is in groups of 3 to 9 bulbs in a mass.

Auratum Platyphyllum. (Improved Auratum —Superior to Auratum in larger flowers, profuse blooming, and glossy foliage. First Size, each, 75c, doz., $7.50.

Auratum. The Gold-Banded Lily grows four to seven feet tall, blooming in July and August. First Size, each, 60c; doz., $6.00.

Lilium Elegans. (Lilium Thunbergianum) Showy tall lilies flowering in June and July and growing 1½ to 2 feet high. This is of easy culture, recommended for naturalizing and for rock-gardens.
Mixed. Good range of reds and yellows. Each, 40c; doz., $4.00; per 100, $28.00.

Lilium Hansoni. The flowers are a deep orange-yellow shade, spotted brown. Three to four feet high, blooming during the latter part of June. Plant in semi-shade. Each, 65c; doz., $6.50; 100, $50.00.

Lilium Henryi. A beautiful lily from China growing four feet to eight feet, and carrying as many as twenty bright orange-yellow, slightly spotted reddish brown flowers in August. Each, 55c; doz., $5.50.

Lilium Japonicum. (Formerly Lilium Krameri) —The flowers, a lovely shade of pale pink, first form a wide cup, and then the petals, with their frilly margins, spread out and curl. Flowers in June. Plant five inches deep, in a light, peaty soil which must be well drained. Each, 40c; doz., $4.00; 100, $28.00.

Lilium Regale. The large, trumpet-shaped flowers are white, with yellow center, while the exterior of the petals is pink. It is a strong grower, three or four feet, of delightful fragrance.
First Size, 6–7 in. in circumference. Each, 20c; doz., $2.00; 100, $15.00.
Select Size, 7–8 in. in circumference. Each, 35c; doz., $3.50; 100, $25.00.
Mammoth Size, 8–9 in. in circumference. Each, 45c; doz., $4.50; 100, $32.00.

Lilium Speciosum Rubrum. Flowers are white, flushed pink, heavily spotted with carmine. The stem is four feet high and the flowers face downward and roll back their petals. August and early September bloomer. Plant eight to ten inches deep. First Size, each, 60c; doz., $6.00.

Lilium Phillipinense Formosanum. A graceful lily with long trumpet flowers, slightly marked externally with reddish-brown. Plants grow two to three feet, robust and fragrant. Each, 45c; doz., $4.50; 100, $30.00.

LILIUM CANDIDUM
Shipped Aug.-Sept.

Legend is rich in praises and reference to the Madonna Lily. It is one of the oldest, loveliest, and best known lilies. A favorite of our grandmothers' gardens, its beauty and fragrance bring back days long past. The flowers, of which there are three to twenty on each stem, depending upon the size of bulb planted, are snow-white, with heavy yellow stamens, and of the most delightful fragrance. It is hardy and will thrive in any ordinary soil, preferring plenty of light and air. Blooms in the open ground about June 20th

18–20 CENTIMETERS (7-8 inch circumference) Each, 25c; dozen, $2.50; 100, $18.00.

20–22 CENTIMETERS (8-9 inch circumference) Each, 35c; dozen, $3.50; 100, $25.00.

22–24 CENTIMETERS (9-9½ inch circumference). Each, 50c; dozen, $5.00; 100, $35.00.

24–26 CENTIMETERS (9½-10½ inch circumference). Each, 65c; dozen, $6.50; 100, $50.00.

26 CENTIMETERS and over (10½-12 inch circumference). Each, 75c; dozen, $7.50; 100, $55.00.

28 CENTIMETERS and up (12-inch circumference and up). Each, 90c; dozen, $9.00; 100, $70.00.

LILIUM AURATUM

LILIUM HANSONI

LILIUM JAPONICUM

LILIUM SUPERBUM

LILIUM RUBRUM

LILIUM UMBELLATUM

Lilium Superbum. (American Turk's Cap, Swamp Lily)—Produces from one to forty flowers of brilliant orange-scarlet, shaded yellow and spotted purplish brown, in late July and August. Height 3–8 feet. Each, 30c; doz., $3.00; 100, $20.00.

Lilium Umbellatum. They are early flowering, bloom in early June. Usually of two to three feet, they carry four to six flowers held straight upward, in various tones of orange and red. Very large flowers. Each, 50c; doz., $5.00; 100, $35.00.

Summer Flowering Bulbs

AMARYLLIS

AMARYLLIS

Largest of flowers which are easily forced indoors, our new hybrids are gorgeous in size and coloring.

Vaughan's New Hybrids. Mixed. Flowers are immense, in an amazing range of color blends, splashed and striped in a manner not seen in other strains. 2¼-2½ in. dia., each, 40c; doz., $4.00; 100, $30.00; 2½-2¾ inch dia., each, 60c; doz., $6.00; 100, $45.00; 2¾-3 inch dia., each, 75c; doz., $7.50; 100, $55.00.

RESURRECTION LILY
Shipped in July
(Lycoris Squamigera) For Outdoor Planting

Amaryllis Hallii. Produces in early spring attractive green foliage which grows until May, when it ripens off and disappears, and one not familiar with its habits would think the bulb had died, but about a month later, as if by magic, the flower stalks spring from the ground to a height of two or three feet, developing an umbel of large and beautiful lily-shaped flowers three to four inches across and from eight to twelve in number, of a delicate lilac-pink shaded with clear blue.
Culture—The bulb is perfectly hardy without any protection. The proper time to plant is in the summer when the bulb is dormant. Cover the crown about four inches. Each, 85c; doz., $8.50.

LYCORIS
Shipped in June

Radiata. A coral red Spider Lily. Bulbs planted 5 inches deep July 15th, bloomed September 4th. This is not hardy, but has been known to survive freezing in pots. It sends up foliage in March. After the foliage dies down the bulb is dormant and sends its blossoms up in August or September. Lily-shaped flowers of orange-red. Each, 25c; doz., $2.50; 100, $18.00.

LILY OF THE VALLEY

Large Clumps. For outdoor planting, clumps are best. Plant clumps in a shady, moist place. Each, 60c, 3 for $1.50; doz., $5.50, prepaid.

MADEIRA VINE

One of the best and most popular climbers for foliage effect. Price, 3 for 35c; doz., $1.25; 25 for $2.25, prepaid.

BEGONIAS

Tuberous Rooted. Unexcelled summer for bedding When fully exposed to the sun the beds must be kept moist All prepaid.

Camellia Flowered Double. Red, yellow, rose, white, orange. Medium size, each, 30c; doz., $3.00; 100, $22.00. Large size, each, 50c; doz., $5.00; 100, $35.00.

Carnation Flowered or Frilled. Same colors as above. Medium size, each, 30c; doz., $3.00; 100, $22.00. Large size, each, 50c; doz., $5.00; 100, $35.00.

Pendula. Used in hanging baskets. It is an unsurpassed strain containing double flowers only. Excellent for Rock Gardens Work. Each, 30c; doz., $3.00; 100, $22.00.

NEW BEGONIAS

Multiflora Hybrids. Mixed. In a shady place, where they can be well watered, these compact plants will bear double flowers of gorgeous coloring, measuring 2 to 3 inches across. They will blossom until killing frost. Each, 25c; doz., $2.50; per 100, $18.00.

Named Varieties. Each, 35c; doz., $3.50; 100, $27.00.

GLOXINIAS

These showy plants are easily grown in pots and transplanted to a garden bed, preferably in a semi-shaded place.

Mixed Colors. Each, 40c; 3 for $1.10; doz., $4.00.

HYACINTHUS CANDICANS
(Galtonias) Summer

Hyacinth. Perfectly hardy and of vigorous growth. Flowers are pure white and pendulous, 4 feet high. First size, each, 15c; doz., $1.50, prepaid; selected size, each, 25c; doz., $2.50, prepaid.

ISMENE CALATHINA

Peruvian Daffodil. Flowers are pure white, borne three or four on a stem and are very fragrant. Not hardy. Price, each, 35c; doz., $3.50, prepaid.

MILLA BIFLORA

New introduction from Mexico, where it is called Estrellitas, or Little Stars. Showy white flowers, two inches in diameter, with six petals not quite separated. The stems are wiry, 12 to 18 inches tall. Very free blooming from July to September. Flowers cut well and have a pleasant Lily-like fragrance. Should be dug in fall, except in milder climates. Each, 15c; doz., $1.50; 100, $10.00.

MONTBRETIAS

Montbretias are easily grown and their graceful flower-stems add much to any garden. They are highly valued for cut flowers. Our mixture contains yellow, salmon, orange and scarlet.

They do best in a light, loamy soil enriched with leaf mould and a little lime, no manure. Where the ground freezes deeply in the winter, they can be treated as gladioli. But in localities where the ground does not freeze deeply, the usual winter protection may be given, and they will multiply. **Special Mixed.** Price, 3 for 40c; doz., $1.50; 100, $10.00; prepaid.

Earlham Large Flowered Hybrids. They are a completely new race, being generally much taller and more robust in growth, and having flowers of great size and beauty, some measuring 3 to 4 inches. **Mixed.** 3 for 55c; doz., $2.00; 100, $15.00; prepaid.

TIGRIDIA
(Shell-Flower of Mexico)

Few flowers are more gorgeously colored or so beautiful. Plant in sunny positions in a flower border in well-drained soil. Put a little sand under the bulb. Can also be used in beds. They bloom from July until frost. Height, 3 ft.

Red, each, 15c; doz., $1.50; 100, $10.00.
Wine-Red, each, 20c; doz., $1.75; 100, $12.00.
Deep-Rose, each, 20c; doz., $1.75; 100, $12.00.
Rose, each, 20c; doz., $1.75; 100, $12.00.
Mixed. Price, 3 for 55c; doz., $1.50; 100, $10.00; prepaid.

TUBEROSES DOUBLE
(Polianthes Tuberosa)

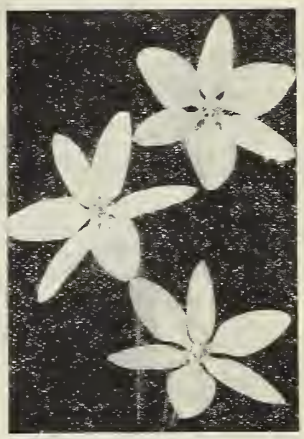
Excelsior Dwarf Pearl Double. Easily recognized by its exquisite fragrance and beautiful flower-spikes, which are borne on long stems, making it an admirable cut flower. If started in pots, and at the end of May moved to open ground, can be flowered much earlier. **First Size**—Each, 20c; doz., $2.00; 25 for $3.75; prepaid. **Second Size**—Price, doz., $1.50; 25 for $2.85; prepaid. **Mexican (Single)**—They have tall, stiff stems, flowers pure white, single; true tuberose fragrance. Price, doz. $1.50; 25 for $2.85; prepaid.

DOUBLE BEGONIA

HYACINTHUS CANDICANS

GLOXINIAS

ISMENE CALATHINA



MILLA BIFLORA

TUBEROSES

MONTBRETIAS

TIGRIDIA

ZEPHYRANTHUS

FAIRY LILY
Zephyranthus, Zephyr Lily

One of the prettiest and most easily grown bulbs. Plant in open ground like gladiolus bulbs.

Candida. Pure white and the most profuse bloomer of all. Doz., 85c; 25 for $1.70; 100, $6.00; prepaid.

Rosea. Beautiful clear rose; flowers large and very handsome. 3 for 50c; doz., $1.75; 100, $12.00 prepaid.

CALLA LILIES

Calla Elliottiana. Flower rich golden yellow; foliage dark green with creamy spots. Makes a good pot plant for indoor culture. Does well outside even in full shade. Besides blooms it will act as a foliage plant all summer. Each, 30c; doz., $3.00; 100, $22.50.

Richardia Maculata. Spotted leaf, white flower. Can be planted out of doors after danger of frost is over. Take up in fall before freezing. Each, 35c; doz., $3.50; 100, $25.00.

PINK CALLA

Rehmannii Superba. The rare Pink Calla Lily. Rather dwarfer and smaller flowered than the White Calla. but of alluring coloring, palest blush to pure rose. Each, 45c; doz., $4.50.

CALADIUM ESCULENTUM

Elephant's Ear. Good effect as a border for tall-growing Cannas when edged with Coleus or other low-growing foliage plants.
First Size—5 to 7-inch circumference. Mailing weight, 4 lbs. per doz. Price, 3 for 40c, prepaid; doz., $1.50; 25 for $2.50, not prepaid.
Select Size—7 to 9-inch circumference. Mailing weight, 6 lbs. per doz. Price, 3 for 75c, prepaid; doz., $2.75; 25 for $4.50, not prepaid.
Extra Large—9 to 11-inch circumference. Mailing weight, 10 lbs. per doz. Price, 3 for $1.05, prepaid; doz., $4.00; 25 for $7.50, not prepaid.

OXALIS

Summer-Flowering. Useful little plants, very effective in masses or beds and particularly valuable for edgings. They produce an unbroken row of foliage about one foot high in continuous bloom. Very fine to grow in hanging baskets indoors. The colors are white and pink. Price, doz., 50c; 25 for 95c; 100 for $3.50; prepaid.

STERNBERGIA
Shipped in August

Lutea. These bulbs planted about 4 inches deep July 15th bloomed from August 7th to September 7th. The flower is yellow and looks very much like a Crocus. They have a thin Hyacinth-like foliage. Hardy with some protection. Each, 30c; doz., $3.00; 100, $20.00.

STRAIGHT CACTUS

SEMI-CACTUS

FORMAL DECORATIVE

New and Standard—Giant Dahlias

OUTSTANDING GIANT DAHLIAS

All American. (S. C.) Large, mulberry rose suffused salmon. Each, $1.00.

Black Monarch. (S. C.) A large, very dark velvety red. Free bloomer with long stems. Each, $2.00.

Captain Cederquist. (Str. C.) Medium, bright salmon orange lighter at tips. Each, $1.00.

Cherokee Brave. (I. D.) Large, rich oxblood red. Does not burn or fade. Each, $1.00.

Crowning Glory. (I. C.) Large, Amaranth pink with cream center. Each, $2.00.

Commando. (F. D.) Large, clean shade of dark lavender. Each, $1.00.

Dixie Wine Dot. (I. D.) A large pleasing white speckled and penciled wine red. Each, $1.50.

Essie Smith. (S. C.) Very large. Color varies from lavender-pink to lavender. Each, $1.75.

Eventide. (I. D.) Fairly large, deep violet-purple on strong stems. Each, $1.25.

Florist Beauty. (F. D.) Medium, long-stemmed red with white tips. Each, $2.00.

Gen'l J. J. Pershing. (S. C.) General color effect is tan striped and splashed violet. Large flowers. Each, $2.00.

Jane Lausche. (S. C.) Large, rosy mauve tipped white. A most beautiful color combination. Each, $2.50.

Jean Trimbee. (S. C.) Large flowers of a rich violet shade. Each, $1.00.

Kentucky Sportsman. (I. D.) Lemon yellow at the center, outer petals golden amber tipped white. Flower medium size. Each, $1.00.

Lavender Lady. (F. D.) Deep lavender. Large firm flowers on strong stems. Each, $1.00.

Lois Walcher. (F. D.) Medium, dark true purple with white tips. Each, $1.00.

Maffie. (S. C.) Very large bright glowing red that does not fade or burn. Each, $1.25.

Michigan White. (S. C.) Medium well formed pure white on long strong stems. Each, $1.00.

Miss San Diego. (Str. C.) Medium. A pleasing color combination of Tyrian pink shading lighter into sulphur yellow. Each, $2.50.

Monarch of the East. (F. D.) Large, golden bronze with coral red reverse. Each, $1.00.

Oakleigh Monarch. (F. D.) Large well shaped flowers, cerise red. Each, $1.00.

Ogden Reid. (I. D.) Very large spinel pink blended with lighter rose pink. Each, $2.00.

Pink Giant. (I. D.) Large flowers of clear pure pink. Each, $1.00.

Premier Winsome. (I. D.) Large beautiful mallow pink. Each, $1.00.

Sarrett's Pink Flamingo. (I. C.) Large beautiful formed flowers of clear rose pink. An outstanding dahlia of recent introduction. Each, $2.50.

Sherwood Peach. (I. D.) Orange apricot of immense size. Robust grower with good stems. Each, $1.50.

IN THE following we offer what we consider the best of the Foreign and American Dahlias. We will supply Tubers of proper planting size on all varieties listed.

KEY TO ABBREVIATIONS: F. D., Formal Decorative: I. D., Informal Decorative; S. C., Semi-Cactus; Str. C., Straight Cactus; I. C., Incurved Cactus.

Three Giant Dahlias, $1.

When labels become detached from our named varieties, the tubers cannot be used to fill regular orders. We offer such tubers at this special price, insuring the purchaser of an outstanding value. Identification is usually easy when the flowers bloom.

OUTSTANDING GIANT DAHLIAS—Continued

Son of Satan. (S. C.) Large intense flame red on excellent stems. Each, $1.00.

The Real Glory. (F. D.) A pure waxy white of good size and form. Each, $1.25.

V. Day. (S. C.) Large, shade of Mulberry rose, a profuse bloomer. Each, $1.50.

Virginia Rute. (S. C.) Large deep Velvety Maroon red. Each, $1.00.

Victory. (F. D.) Medium rose pink with a golden suffusion. Each, $1.00.

STANDARD VARIETIES

Avalon. (F. D.) Clear yellow. Each, 50c.

California Idol. (I. D.) A clear yellow. Each, 75c.

Dahliamum. (I. D.) Yellow buff and amber. Each, 75c.

Dr. John Carman. (I. D.) Tyrian Rose. Each, 90c.

Florist White. (F. D.) Pure white. Each, 50c.

MONEY SAVING COMBINATION OFFERS

No change in varieties can be made at these prices.

OFFER NO. A. One tuber each Florist Beauty, Gen'l J. J. Pershing, Jane Lausche, Ogden Reid and Sherwood Peach. Value $10.00 for $7.35, postpaid.

OFFER NO. B. One tuber each Dixie Wine Dot, Maffie, Sarrett's Pink Flamingo, Jane Ross and The Real Glory. Value $7.40 for $5.35, postpaid.

OFFER NO. C. One tuber each Captain Cederquist, Lavender Lady, Cherokee Brave, Monarch Of The East, Premier Winsome, and Michigan White. Value $6.00 for $4.25, postpaid.

OFFER No. D. One tuber each Gallant Fox, Jane Cowl, Jersey's Beauty, Mrs. Geo. Le Boutillier, Myra Howard, Rose Glory, Watchung Giant and White Wonder. Value $4.45 for $3.25, postpaid.

OFFER NO. E. One tuber each Jersey's Beacon, Marie, Mrs. I. de Ver Warner, Mrs. James Albin and White King. Value $3.00 for $2.45, postpaid.

STANDARD VARIETIES—Continued

Gallant Fox. (F. D.) A brilliant red. Each, 50c.

Jane Cowl. (I. D.) Bronze apricot and gold. Each, 60c.

Jane Ross. (I. D.) Rich purple. Each, 90c.

Jersey's Beacon. (F. D.) Chinese-scarlet. Each, 50c.

Jersey's Beauty. (F. D.) Standard pink. Each, 50c.

Jersey's Dainty. (Str. C.) White shaded pink. Each, 85c.

J. J. Jefferson. (F. D.) White, fine form. Each, 75c.

Marie. (F. D.) A fine true pink. Each, 75c.

Marshall's Pink. (F. D.) Bright pink. Each, 85c.

Mrs. C. R. Kunzman. (F. D.) Golden yellow and salmon. Each, 75c.

Mrs. Geo. Le Boutillier. (I. D.) A rich velvety carmine red. Each, 50c.

Mrs. I. de Ver Warner. (F. D.) Bright lilac rose. Each, 50c.

Mrs. James Albin. (F. D.) Very fine deep yellow. Each, 75c.

Myra Howard. (I. D.) Orange with tints o salmon. Each, 75c.

Rose Glory. (F. D.) Deep rose pink. Free and early. Each, 50c.

Watchung Giant. (I. D.) Yellow gold flowers of largest size. Each, 50c.

White King. (F. D.) A leading pure white. Each, 50c.

White Wonder. (F. D.) Giant blooms of pure white. Each, 60c.

MINIATURE DAHLIAS

Bishop of Llandorf. (Peo.) Bright scarlet with garnet center. Foliage reddish bronze. Each, 50c.

Lannie. (F. D.) Deep yellow. Fine form. Each, 50c.

Lillie Belle. (F. D.) Fine appleblossom pink. Each, 65c.

Orange Glory. (F. D.) Bright orange. Each, 50c.

Paula. (F. D.) Clear lilac unusual shade. Each, 50c.

Snowsprite. (S. C.) Snow white. Each, 65c.

Special Offer F. One each of the above (6) varieties for $2.40.

POMPON DAHLIAS

Clarise. Orange combination.

Coral Glow. Pink and gold blend.

Edith Mueller. Rose red and gold.

Joe Fette. Leading snow white.

Millers Red. Bright scarlet.

Miss Alma. Lavender and white.

Morning Mist. White shaded lavender.

Yellow Gem. Clear canary yellow.

Price Of Above 40c Each.

Special Offer G. One each of the above (8) varieties for $2.30.

Water Lilies

TWO HARDY *Water Lilies* $3.00

Value $4.50.

One each of Gloriosa (Carmine rose) and Chromatella (Canary yellow).

Two unusual and beautiful varieties seldom offered in collections.

WATER LILY, MRS. W. R. JAMES

TWO TROPICAL WATER LILIES $3.85

Catalogue Value $5.25

One each Blue Beauty and Juno, White night bloomer

TROPICAL WATER LILIES

Set out after June 1st in vicinity of Chicago. By August 1st will be in full bloom. Must have warm water and full exposure to sun. All are day bloomers, except Missouri, Juno and Hitchcock.

August Koch. Medium sized lovely lavender flowers. Free flowering. $2.50.

Frances Griffith. Outstanding royal purple. Best of its color. $2.75.

Mrs. W. R. James. A finer pink than Pershing. Huge flowers. $2.50.

Blue Beauty. Huge sky-blue. Most vigorous. $2.50.

Mrs. George Pring. Star-shaped white flowers, free-blooming. $2.50.

Missouri. Huge white flowers open at night. $2.75

Juno. Huge white night bloomer. Very free and fragrant. We urge those who are not at home during the day to try night bloomers for greater enjoyment of the water garden. $2.75.

Mrs. George C. Hitchcock. A pure rose pink night bloomer. Free blooming and of unusual size. $2.75.

Pink Pearl. Brightest pink of lovely form. $2.50.

For prepaid delivery add 10c each to hardy varieties and 25c to tropicals.

HARDY WATER LILIES

This group requires less heat and will bloom earlier in spring. Can be carried over winter by the amateur with some protection. While flowers are smaller, they are borne over a longer season than the Tropicals. Most satisfactory for the average gardener.

Attraction. Garnet red with ruby shading. Finest red. $3.00.

Chromatella. Pure canary yellow. Very vigorous and free flowering. $2.25.

Comanche. At first of rich apricot hue, it deepens to copper. Its flower is held high above the water, like tropical water lilies. $2.25.

Escarboucle. Brightest crimson and scarlet. Very striking. $3.00.

Gloriosa. Deep carmine rose. Free and vigorous. $2.25.

Hermine. A star-shaped white of clear, luminous texture. $2.50.

James Brydon. Rosy crimson, small growth. Good for tubs. $3.00.

Paul Hariot. Opens soft, clear yellow, deepens to apricot. $2.25.

Pink Opal. Although new, so vigorous that the price is low. Deepest pink of great beauty. $2.00.

Sioux. LARGEST of the sunset tints. Opens brassy yellow, deepens to blood red. $2.00.

Somptuousa. Large double fragrant flowers of deep rosy pink with contrasting stamens of deep orange. $2.25.

COLLECTIONS OF OXYGENATING AND ORNAMENTAL AQUATIC PLANTS

Collection No. 1 for small Aquariums $1.50

Italian Vallisneria,
Sagattaria Natans,
Elodia,
Corkscrew Vallisneria,
Anacharis,
Water Sprite.

Collection No. 2, for medium sized Aquariums, $2.50

Italian Vallisneria,
Sagattaria Natans
Elodia
Sagattaria Subulatta
Cabomba
Corkscrew Vallisneria,
Anacharis
Water Sprite
Lysmachia
Amazon Sword Plants.

Collection No. 3, for Large Aquariums, or Outside Pools, $3.50

Italian Vallisneria
Sagattaria Natans
Elodia
Sagattaria Subulatta
Cabomba
Water Poppy
Water Hyacinths
Corkscrew Vallisneria
Anacharis
Water Sprite
Lysmachia
Amazon Sword Plants
Water Ferns
Duckweed

Orders for the above three collections filled only as specified. No split orders accepted.

CANNA DOROTHY S.

Popular Cannas

Cannas are becoming more popular. The new varieties with large flowers in new colors are unequalled for creating a colorful show from July till frost. They do best in full sun and respond quickly to feeding.

Number of Cannas required for round beds planted eighteen inches apart each way: Seven feet—19 plants, one for center; six for first row, twelve for second row. Ten feet—37 plants, one for center; six for first row, twelve for second row, eighteen for third row.

City of Portland. 3½ ft. Compact, luxuriant, dwarf, growth. Leaves green. Flowers rosy pink.

Hungaria. 3½ ft. Best pink Canna. Leaves bluish green, never burn. Flowers large, with big petals.

King Humbert. 4 ft. Scarlet flowers, bronze leaves. This remarkable "Gold Medal" Canna has been the sensation of the past fifteen years.

The President. 4 ft. A rich glowing scarlet on strong stalks; green foliage.

Yellow King Humbert. 4 ft. Foliage a very dark green, flowers a deep rich yellow, softly spotted and blotched with bright red.

PRICES OF ABOVE

DORMANT 1-3 EYE ROOTS. Available March 1 to April 15; 3 for 75c; $2.00 per doz., $14.00 per 100.

CHOICE CANNAS

Dorothy S. 4 ft. A beautiful salmon red. Green foliage. Produces large flowers on very vigorous plants.

Eureka. 4 ft. Free-flowering variety with striking white flowers which first appear cream. Green foliage.

PRICES OF ABOVE

DORMANT 1-3 EYE ROOTS, Available March 1 to April 15; 3 for 90c; $2.50 per doz., $17.00 per 100.

THE SUDBURY HOME GARDENER'S SOIL TEST KIT

This simple, practical, easy-to-use kit is your best insurance of gardening success. Made by the maker of professional field test kits used by nurserymen, growers and greenkeepers throughout the country. Tests for nitrogen, phosphorus, potash and acidity. It will make at least three separate tests for each element. No technical skill required. Results of tests are apparent immediately. The Sudbury Home Gardener's Soil Test Kit, complete with instructions. $2.50; postpaid, $2.60.

Testing Fluid for Refill—Specify whether for nitrogen, phosphorus, potash, or acidity. When ordering the above, it requires No. 2 and No. 3 to make Nitrogen Tests, No. 4 and No. 5 for Phosphorus Tests and No. 6 and No. 7 to make Potash Tests, therefore when ordering, please order two numbers. 2 oz., $1.00; 6 oz., $2.00, both postpaid.

NEW CLUB MODEL KIT

An advanced amateur, or a garden club, 4-H, club or neighborhood group, will find this larger kit invaluable. It is housed in an attractive case of imitation leather and contains sufficient material for many accurate tests, $4.75; postpaid, $5.00.

HORTICULTURAL TEST KIT

Where a large number of soil tests will be made, this kit will save you money. It contains material sufficient to make 60 individual tests, together with complete instructions and table of plant needs. Sudbury Horticultural Soil Test Kit, $12.50.

SOIL SUBSTITUTE FOR STARTING PLANTS—"TERRALITE"

Terralite is a prepared form of vermiculite, cleansed of all impurities which might injure plants, and of the correct sizes for horticultural use. This remarkable material has proved to give almost magical results as a substitute for soil in starting seeds and rooting cuttings.

In addition to being an unsurpassed medium for started seeds and rooting cuttings, Terralite is effective as a soil conditioner, to lighten heavy clay soil, make it porous. It also makes an excellent mulch to prevent soil from drying out unduly in hot, dry weather; and when mixed with soil in which trees and shrubs are planted it helps hold moisture, and protects the plants from injury from drouth.

Prices, 4 qt. peck bag, 40c; ½ bushel bag, 90c; 2 bushel bag, $1.95. All shipped by express, charges collect.

Vaughan's High Grade Fertilizers

Three High Analysis Special Value Plant Foods

High Analysis Mineralized Loma. 8-8-8. For lawns, flowers and vegetables. This scientifically balanced, up-to-date plant food supplies 15 essential minerals, not merely as traces, but in sufficient quantities to enable plants to derive full benefits from the abundant Nitrogen, Phosphoric Acid and Potash in the mixture. It makes plants more vigorous and more resistant to insects and diseases. They mature earlier, flowers hold blooms longer, vegetables are larger and better flavored. Will make greener, thicker turf. Price per 25 lb. bag, **$2.50**; 100 lbs. **$8.00.**

Organic Turf, Tree and Ornamental Food. 10-6-4. A high percentage of the food elements in this mixture are organic, which become available slowly as the plants require them, throughout the growing season. There is no inert material, but everything makes a valuable food contribution to your plants. This combination insures a well fed lawn and flower border without danger of burning. Established lawns should have a top dressing in spring and fall of 20 to 25 pounds per 1,000 square feet. Newly seeded lawns should have up to 40 pounds per 1,000 square feet. 25 lbs., $2.00; 100 lbs., $7.00.

Balanced Rose Ration. 7-8-5. A high organic 100% no filler food of Dried Blood, Fish Scrap, Bone Meal, Potash, Cotton Seed Meal and powdered Tobacco (as aid in wire worm control) and well cured neutral Super Phosphate. Can be used on all garden plants. 1 lb., 25c; 5 lb. bag, 85c; 10 lbs., $1.35; 25 lbs., $2.95; 100 lbs., $9.25.

Fertilizer prices include delivery within 25 miles of Chicago on 25, 50 and 100 lb. lots. On larger quantities than 100 pounds, owing to close quantity prices, the customer pays all freight or express charges.

Vaughan's Special Lawn, Tree and Shrub Food

10% nitrogen, 8% available phosphoric acid, 6% potash. Excellent for all types of shade trees and evergreens. For shade trees apply in holes drilled 16 inches deep and 2 feet apart under drip of outside branches at rate of ¾ pound for each foot in height of tree up to 50 lbs. per tree. For evergreens use ½ pound per foot in height of tree, and work into surface soil. 25 lbs., $2.25; 100 lbs., $5.00.

VAUGHAN'S BONE MEAL

This is a special brand we have put up for our trade, It is ground fine, hence acts quickly. Free from acid, and a superb article. It is made from bone accumulated in large slaughter houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the western prairies. Our Bone Meal has been slightly steamed to soften it and is thus quicker in its action. Analysis: Nitrogen, 2 percent; total phosphoric acid, 22 percent. 5 lbs., 75c; 10 lbs., $1.25; 25 lbs., $2.85; 50 lbs., $3.45; 100 lbs., $6.35; 500 lbs., $27.50.

VAUGHAN'S SHEEP MANURE

This is a pure, natural manure, dried and free weed seed, excellent for mixing with the soil. For use in liquid form, one pound to five gallons of water can be used with safety daily. 5 lbs., 40c; 10 lbs., 75c; 25 lbs., $1.35; 50 lbs., $2.10; 100 lbs., $3.50; 500 lbs., $12.95.

Shredded Cattle Manure. Manufactured by special process from selected fresh cleanings from cattle pens. There is no offensive odor, and when spread on lawn and garden it works down into the soil so that there is no refuse to blow about or be raked off when the growing season begins. 25 lbs., $1.35; 50 lbs., $2.40; 100 lbs., $3.50; 500 lbs., $12.95; 1,000 lbs., $24.50.

Armour Velvetgreen Plant Food. Analysis: 5-10-5. Velvetgreen is a high quality blended and balanced plant food for lawns, flowers shrubs, trees and garden vegetables. Price, 10 lb. bag, 90c; 25 lb. bag, $1.60; 100 lb., bag, $4.25.

Activo (Formerly Bacto). Make your own fertilizer easy, quick—often in as little as three weeks. Odorless! Organic! Just sprinkle Activo on kitchen waste, leaves, garden rubbish, sewage sludge, etc. Sprinkle in outdoor toilets, reduces odors, makes easily handled ash of waste. No. 2 size $1.00; treats 450 lbs. compost; No. 7 size $2.00; treats up to 1800 lbs.; No. 25 size $6.00; treats up to 3 tons compost. No. 50 size drum, $9.95; treats 6 tons compost.

Adco Artificial Stable Manure. Make it yourself, in your own garden. To each ton of straw, hay, cornstalks or dried leaves add 150 lbs. of Adco to make four tons of fresh or three tons of rotted manure. Adco contains nothing injurious to health or harmful to animal or plant life. Shipments accompanied by full directions. 5 lb. bag, $1.10; 20 lbs., $2.75; 150 lbs., $13.50. Write for booklet.

Aluminum Sulphate. For creating acid condition in the soil. 1 lb., 15c; 5 lbs., 60c; 10 lbs., $1.00; 25 lbs., $2.00; 100 lbs., $4.75.

Ammonium Nitrate. Nitrogen content 34%. Since it is almost impossible to secure Sulphate of Ammonia and Nitrate of Soda, this is a good substitute and runs much higher in Nitrogen content. 5 lbs., 85c; 10 lbs., $1.35; 25 lbs., $2.25; 50 lbs., $3.50; 100 lbs., $6.50; 500 lbs., $30.00.

Driconure Improved. Fertilizer with a peat-moss base impregnated with a high grade manure. Per 50 lb. bag., $2.75; 5 bags for $12.50; 10 bags for $24 00.

Vaughan's Peat Moss

IMPORTED HORTICULTURAL GRANULATED

A moisture-retaining humus. An important aid in saving soil fertility, better than manure; prevents the formation of hard top crust and fungus growth. Home garden size bag, about 25 lbs., $2.65; half of large bale, approximately 50 lbs., $3.95; large bale of about 100 lbs., contains approximately 15 bushels of loose peat before bales are compressed, $5.75. Large German bales, about 22 bu., each $8.00.

Electra. Fertilizer (4-9-3). A high organic all around plant food for feeding, forcing and finishing. The best substitute for Clay's fertilizer, formerly imported from England. 25 lbs., $4.25; 50 lbs., $6.50; 100 lbs., $11.00.

Esminel. Can be used to mineralize your garden. Can also be added to fertilizers used for trucks crops, lawns, shrubs, trees, etc, This adds the necessary minor elements such as Manganese, Boron, Magnesium, etc. Price, 5 lb. pkg. $1.25; 100 lbs., $12.

Fulton's Plantabbs. Odorless plant food in tablet form, supplies a completely balanced plant food including Vitamin B-1. Per box of 30 tablets, 25c; box of 75 tablets, 50c; box of 200 tablets, $1.00; postpaid. Large size approximately 1,000 tablets, $3.50.

Hyponex Plant Food. Can be used in dry or liquid form; teaspoonful makes 1 gallon. Contains Vitamin B1. **Analysis: 7 percent nitrogen; 6 percent phosphoric acid; nineteen percent potash.** 3 oz. tin, 25c; 1 lb., $1.00; 10 lbs., $8.00; 25 lbs., $15.00; 50 lbs., $25.00; 100 lbs., $40 00.

Hy-Gro. Analysis: 13-26-13. The soluble plant food and starter polution. 3 oz., 30c, postpaid; 20 oz., $1.10, postpaid; 10 lbs., $4.00.

Lime Phosphate, Ruhm's. Nature's source of phosphorus. The most phosphate at lowest unit cost. 100 lbs., $2.95; 500 lbs., $12.00; 1,000 lbs., $23 00; 2,000 lbs., $44.00.

Loma. Beautifies lawns and gardens, a scientifically prepared plant food for lawns, flowers, vegetables, shrubbery and potted plants. Rich in nitrates, phosphate and potash; contains no filler. 5 lbs., 50c; 10 lbs., 90c; 25 lbs., $1.60; 50 lbs., $2.75; 100 lbs., $4.50.

Milorganite. Activated sludge fertilizer, free of weed seeds. Feeds over a long period. 25 lbs., $1.35; 50 lbs., $2.15; 100 lbs., $3.50; 500 lbs., $17.50; 1,000 lbs., $32.50.

Muriate of Potash. Should be used liberally, especially for all root crops. 25 lbs., $1.95; 50 lbs., $3.10; 100 lbs., $5.75.

Peat, Orchid. Very useful for orchids and azaleas. $5.35 per sack of about two bushels.

Sacco Plant Food. A complete plant food with no filler for flowers, trees, shrubs, plants and garden vegetables. Contains 4% Nitrogen, 12% Phosphate and 4% Potash. Price, 5 lbs., 50c; 10 lbs., 85c; 25 lbs., $1.50; 50 lbs., $2.50; 100 lbs., $4.00.

Vigoro. Complete Plant Food. Supplies in balanced form the eleven vital plant food elements for hardy, beautiful plants. Clean, odorless, sanitary, and easy to use. Vigoro has brought gardening success to millions of home owners everywhere. 5 lbs., 50c; 10 lbs., 90c; 25 lbs., $1.60; 100 lbs., $4.25.

Stim U Plant Tablets Plus Vitamin B1. For potted plants. Well balanced plant food. Per pkg. of 30 tablets, 30c, postpaid; large pkg., 100 tablets, 75c, by mail, 85c; package of 1,000 tablets, $3.50.

Sulphate of Ammonia. Price, 5 lbs., 75c; 10 lbs., $1.25; 25 lbs., $1.95; 50 lbs., $3.25; 100 lbs., $5.75.

Super Phosphate. Twenty percent available. 25 lbs., $1.25; 50 lbs., $2.00; 80 lbs., $3 45. 500 lbs., $12.00; 1,000 lbs., $22.50; 2,000 lbs., $43.00.

SALEM FERTILIZER SPREADERS

Will spread any kind of commercial fertilizer, grass seed or top dressing. Has new disc wheels, foot rest and selective feed control. 16 inch, hopper capacity about 20 lbs., price each $7.50; 20 inch, hopper capacity about 40 lbs., each, $11.50; 30 inch, hopper capacity about 80 lbs., each, $17.50. Super Heavy 36 inch, hopper capacity over 125 lbs., each, $35.50.

MASTERS FERTILIZER AND SEED DISTRIBUTOR

Home Lawn 18", price each, **$7.75**; Model M-241, 24", price each, **$27.50**; Model M-361S, 36", price each, **$35.25**; with rubber tires $44.00.

INOCULATORS

Nitragin. The Original Legume Inoculation. **Culture A.** For alfalfa, sweet clover, burr clover and hubam clover. 1 bu. size, 50c; 2½ bu. size, $1.00.

Culture B. For clovers, medium and mammoth red, alsike, crimson and white. 1 bu. size, 50c; 2½ bu. size, $1.00.

Culture C. For all vetches. Peas, Austrian, Canadian, golden and sweet peas, broad beans and lentils. Medium size will inoculate up to 100 lbs. seed, 50c.

Culture D. For Beans. 1 bu. size, 35c.

Culture E. For peanuts, cow peas, velvet beans and lima beans. Small bu. size, 30c; 5 bu. size, 50c; 30 bu. size, $2.95.

Culture L. For all Lespedeza, large size inoculates up to 100 lbs.; 50c.

Culture S. For Soy Beans, all varieties. Small size inoculates up to 120 lbs. seed, 30c; 5 bushel size, 50c; 25 bushel size, $2.25.

Garden Size. For garden peas, sweet peas, beans, lima beans and lupines. Pkt., 15c; three for 40c; each packet will treat up to 6 lbs. of seed.

Lupines, all varieties. Per can, 50c. Will inoculate up to 100 lbs. seed.

New Combination Culture "AB". For Alfalfa, Sweet Clover, Bur Clover, Hubam Clover and for Red, Medium Red, Mammoth, White Dutch, White, Wild White, Alsike, and Ladino Clovers **ONLY.** 1 bu. size, price each, **50c.**

STOMACH POISONS

ACME BAIT-m, with metaldehyde. A double action insect bait to control cut worms, sow bugs, grasshoppers, etc. 1 lb., 35c, postpaid, 45c; 2½ lbs., 75c, postpaid, 85c.

ANTROL. Sets containing 4 filled feeders, 60c; extra jars each, 10c. 4-oz. bottle syrup, 40c.

ANTROL ANT TRAPS. Kill both sweet and grease eating ants. Each, 15c; 6 for 80c.

ARSENATE OF LEAD (Dry). For dusting and spraying. Solves the problem of controlling practically all leaf-eating insects in an efficient manner. 1 lb. carton, 60c; 4 lbs., $1.95; case of 48 lbs., $18.95; 100 lbs., $36.50.

BUG-GETA PELLETS. Metaldehyde arsenical baits for use against Slugs, and Snails. 12 oz., 35c, postpaid, 45c; 2 lb., 75c, postpaid, 90c.

PARIS GREEN. A poisonous insecticide in powder form; for insects that chew. ¼ lbs., 20c; per lb., 55c; 5 lbs., $2.50; 14 lbs., $6.00.

SLUG SHOT, Hammond's. Guaranteed to destroy potato bugs and those on tomato and egg plants, currant worms, cabbage lice and worms. 1 lb., 40c; 5-lb. tin, $1.70; 25-lb. bag, $5.50; 50 lbs., $11.00.

SNAROL. An insecticide bait to combat snails, cut worms, sow bugs and grasshoppers. 1 lb., 35c; 2½ lbs., 75c; 10 lbs., $2.25; 50 lbs., $8.25.

TARTAR EMETIC. The new recommended spray for control of gladiolus thrip. ¼ lb., 35c; ½ lb., 60c; lb., $1.00.

VERMINE. For eel, cut worms and wire worms, working in the soil. Can be applied to all vegetation. ½ pt., 50c; pt., 85c; qt., $1.25; gal., $3.50.

ROTENONE PREPARATIONS

ACME ROTENONE GARDEN GUARD. A strong, safe rotenone dust in 1-lb. shaker top cans. Each, 50c; postpaid, 60c; 4 lb. pkg., $1.10.

BUG GUN. A practical self-dusting package, consisting of Rotenone, all ready to use. Complete with dust. Each, 50c, postpaid, 60c.

D.D.T.—ROTOTEC. To full strength rotenone content, there has been added 5% D.D.T., making an all around insect killer from which few if any pests can escape. Rotenone kills bean beetles, aphids, mites and others which resist D.D.T., while both are deadly to most other garden insects. 1 oz. bottle, 35c; 4 oz. bottle, $1.00; pint, $2.75. Ounce makes 4 to 6 gallons spraying solution.

KALITE. Rotenone impregnated dust plus 3% D.D.T. for Home Gardens. 1 lb. pkg., 35c; 4 lb. bag, $1.25; 25 lb. bag, $6.75.

RED ARROW Garden Spray. Non-poisonous, kills by contact, both chewing and sucking insects, will not burn or stain tenderest foliage, ounce will make 4 to 8 gals. spraying solution. Oz., 35c; 4 oz., $1; pt., $2.85.

ROTECIDE. Contact and stomach poison. Kills mites, mealy bug, beetles, thrips, aphis, etc. Oz., 35c; ½ pt., $1.00; pt., $1.75; qt., $3.00.

CONTACT INSECTICIDES

APHIS SPRAY. Improved Nicotine Spray. Combining a soft fish-oil soap with black leaf 40. 3-oz. tube, 40c.

BLACK LEAF 40 is a solution of Nicotine Sulphate. It is highly recommended by Experiment Stations throughout the United States as a spray for soft bodied sucking insects. For spraying only. Directions must be followed carefully. 1-oz. bottle, 36c; 5-oz. can, $1.05, makes 40 to 100 gallons; 1-lb. bottle, $2.42, makes 40 to 200 gallons; 2-lb. can, $4.15, makes 200 to 500 gallons; 5-lb. can, $7.90, makes 400 to 1000 gallons; 10-lb. can, $13.75, makes 840 to 2100 gallons.

DX PYRETHRUM. Rotenone and D.D.T. Liquid spray. 1½ oz. bottle, 50c; 8 oz. bottle, $1.75.

FISH-OIL SOAP. Standard wash for trees and plants where insects and eggs affect the bark. Lb., 45c; 7½ lbs., $2.60.

LEMON OIL. Destroys mealy bug, scale, red spider. ½ pt., 40c; pt., 65c; qt., $1.00; gal., $3.25; 5 gals., $12.50.

NICO-FUME POWDER PRESSURE FUMIGATOR. Is now burned under pressure in the can in which it is packed. ½-lb. can, 60c; doz., $6.00; 1-lb. can, $1.00; doz., $9.00.

NICOTINE PYROX. For chewing and sucking insects. 20 oz. jar, 60c; 5 lbs., $2.25.

PYRETHRUM POWDER. Lb., 85c; 5 lbs., $3.75; 10 lbs., $6.75.

SCALECIDE. A complete dormant spray for fruit trees, shade trees and ornamentals. Controls scale and invigorates growth. Use 1 gal. to 15 gals water. Qt., $1.00; gal., $2.50; 5 gals., $8.45; 15 gals., $19.95. Write for price in barrel lots.

TOBACCO DUST (Regular Grade). 5 lbs., 65c; 10 lbs., $1.00; 100 lbs., $6.00.

TOBACCO STEMS. 100 lbs., $3.00; 500 lbs., $10.50; 1,000 lbs., $20.00.

Sprays and Dusts

Weights—By mail ½ pt., 1 lb.; pt., 2 lbs., qt., 3 lbs.; where prepaid prices are not specified, add 10 cents per lb. for postage; otherwise shipment will be by express charges collect.

FUNGICIDES

ACME WETTABLE DUSTING SULPHUR. An improved dusting sulphur recommended to control Mildew, Leaf Spot, Black Spot, and Rust on rose bushes, chrysanthemums, snapdragons and other foliage, also Red Spiders on Evergreens. Will control chiggers in the lawn. 2 lb. shaker top carton 45c.

BULB-PROTEX. Protects bulbs against rodendts and fungi. 1½ oz. pkg., 25c; 16 oz. pkg., 75c; 5 lb. pkg., $3.50; 25 lb. drum, $12.50; 100 lb. drum, $45.00.

ACME COPPER QUEEN. A strong liquid copper spray for control of mildew, leaf spot, and black spot on roses, flowers and plants. 8-oz. can, 35c; pt., 60c; qt., 95c; gal., $2.25.

BORDEAUX MIXTURE (Dry). The best fungicide for curing and preventing black rot, mildew, blight, leaf curl, scab or other fungoid diseases on fruits and plants. 1 lb. will make 5 gallons liquid. Lb., 45c, 4 lbs., $1.05; case of 24 lbs., $5.75.

DRY LIME SULPHUR. For dormant spray use 12 to 15 lbs. to each 50 gals. of water. For summer spray, 3 to 4 lbs. to each 50 gals. of water. Lb., 40c; 5 lbs., $1.65; 25 lbs., $4.50; 100 lbs., $14.00.

FLOWERS OF SULPHUR. For dusting. Lb., 15c; 10 lbs., $1.00; 50 lbs., $3.00; 100 lbs., $5.50.

FORMACIDE FORMALDEHYDE DUST. Control "damping off" of flower and vegetable seedlings. 1 lb., 85c; 5 lbs., $2.50; 25 lbs., $10.00; 50 lbs., $17.50.

FERMATE. New fungicide gives remarkable control of plant diseases, with safety to all plants. Reliable specific for black spot on roses, leaf spot on chrysanthemums, snap-dragon rust; anthracnose of tomatoes, and brown rot of cherries. Recommended for use against all fungi and mildews. 8 oz., 75c postpaid, 90c; 3 lbs., $3.50, prepaid for $3.75; 25 lbs., $25.00, shipped by express, charges collect.

GRAPE AND ROSE DUST. Excellent for the prevention and destruction of mildew on plants. Lb., 40c; 5 lbs., $1.50; 25 lbs., $6.25.

MAGNETIC SPRAY Wettable Sulphur. Can be used as a combination spray with other insecticides. 4-lb. bag, 65c; 24 lbs., $3.00.

POMO GREEN. Without nicotine. The new green fungicide for roses and other flowers and ornamentals; will control black spot, mildew and chewing insects. Lb., 55c; 5 lbs., $1.85; 25 lbs., $8.50.

Phygon XL. For use on apples, stone fruits, tomatoes, beans and sweet potatoes. Price 2 oz., 50c, postpaid 55c; 4½ oz., $1.00, postpaid $1.10; 1 lb., $2.70, postpaid $2.85.

SEED-PROTEX. Protects corn, many varieties of seeds from fungi. 2 oz., 35c; 16 oz., $2.00; 5 lbs., $8.00; 50 lbs., $75.00

SEMESAN. The universal seed disinfectant and plant stimulant. Important for control of damping off of seedlings. ½ oz., 20c; 2 oz., 45c; 12 oz., $2.10; 4 lbs., $10.10; 25 lbs., $38.28; 100 lbs., $219.80. Write for leaflets, stating for what purpose desired.

Special Semesan. Control for Brown Patch, Dollar Spot, etc. in Bent Lawns. 1 lb., $2.00; 4 lbs., $6.92; 25 lbs., $39.96; 100 lbs., $149.85.

Semesan Jr. For Sweet Corn. 1½ oz. package, 17c; 12 oz., 62c; 25 lb. pail, $13.85; 100 lbs., $49.95.

Semesan Bel. For Potatoes. 2 oz. tin, 35c; 1 lb., $1.83; 4 lbs., $6.33; 40 lbs., $59.00; 100 lbs., $138.75.

New Improved Ceresan. 4 oz. tin, 35c; 1 lb., 90c; 4 lbs., $3.00; 40 lbs., $26.40; 100 lbs., $61.05.

2% Ceresan. 1½ lbs., $1.25; 25 lbs., $16.09; 100 lbs., $57.75.

Ceresan M. 14 oz. tin, 90c; 3 lb. tin, $2.65; 40 lbs., $28.75; 100 lbs., $69.00.

Write for leaflet on Semesan and Ceresan.

SPERGON. A new seed and bulb disinfectant which kills the soil fungi and bacteria which cause damping off, and injure gladiolus and tulip bulbs. Full strength with 98% active ingredients, 1 oz., 25c; postpaid 35c; 5 oz., $1.00, postpaid, $1.10; 1 lb., $2.25, postpaid $2.35; 10 lbs., $20.00; 50 lbs., $93.80; 100 lbs., $178.00.

Spergon Wettable Powder. 4 oz. tin, 50c; lb., $1.25; postpaid, $1.35.

VOLCK. The Scientific Insecticide for nursery, greenhouse and garden. Controls scale insects, mealy bug, white flies, red spiders, rust mites, aphis and thrips. 4 oz., 35c; pint, 70c; 1 gal., $2.85; 5 gals., $8.50.

TRIO-GEN. Combined spray treatment fungicide-insecticide and plant stimulant. A complete protection against plant insects and diseases. E, kit trial size, $1.35; A, small kit, makes 16 qts., $2.25; B, medium kit, makes 64 qts., $6.00; C, large kit, makes 32 gals. $9.00; D, estate kit, makes 128 gals., $30.00.

CHLORDANE

OCTA-KILL. (Water Base—2½% Chlordane). Especially for household uses. It is a non-staining, non-oily liquid with a delicate cedar aroma. Killing power lasts for weeks. ANTS, cockroaches, flies, water beetles, earwigs, carpet beetles, silverfish, moths destroyed with OCTA-KILL. For plants and flowers dilute OCTA-KILL with five parts water. Pint, 79c; quart, $1.39; gallon, $3.95.

OCTA-KILL EMULSION CONCENTRATE. (Water Soluble—44% Chlordane). For crop and animal spraying 1 part is mixed with 200 parts water. By allowing a heavier run-off this can be used to spray farm buildings, animal areas, and for household use. Recommended maximum dosage 1 qt. per acre. 4 oz., 75c; ½ pints, $1.25; pints, $2.25; quarts, $3.75; gallon jugs, $11.00; 5-gallon pails, $51.50.

OCTA-KILL DUST. (5% Chlordane.) Especially designed for crop dusting. Recommended maximum dosage 20 pounds per acre. 1 lb. garden duster, 89c, postpaid $1.00; 5-lb. bags, $1.95. 50 lbs, $7.00.

COMBINATIONS

ACME RED RIVER POTATO MIX. Containing D.D.T. (Special Formula for Potatoes). A new patented copper fungicide with quick killing arsenic. Drives off Flea Beetle and Leafhopper and prevents Blight from gaining a foothold. Stimulates foliage, making more and better potatoes. Complete control in one operation. Can be used as a dust or spray. 1 lb. bag, 55c; 4 lb., bag, $1.75; carton, 48 lbs., $19.20

PARA-SCALECIDE. A prepared combination of Scalecide and paradichlorbenzene. A liquid treatment for peach borer control. Safe to use on peach trees of all ages. Simple, effective and inexpensive to use. Can be used to control all borers. One gallon makes eight. Quart, $1.30; gallon, $3.00; 5 gallons, $9.45.

POMO GREEN (With Nicotine). A green colored fungicide. Lb., $1.05; 5 lbs., $3.85.

PYROX. Kills all leaf-eating insects, destroys fungus growth, blight and rot. Mixes easily in cold water, sprays without clogging and sticks to foliage. 25 lbs., $6.00; 50 lbs., $9.00.

RED ARROW DUST. Contains Rotenone and Sulphur. 2 lb. bag, 50c; 24 lbs., $5.50.

WILSON'S O. K. PLANT SPRAY. A powerful yet harmless and efficient insecticide for aphis, red spider, mildew, scale, etc. ½ pt., 40c; qt., $1.00; gal., $3.00; 5 gals, $12.00.

MISCELLANEOUS

ACME COPPER SHIELD PRUNING PAINT. Prepared liquid paint containing copper, for treating wounds to prevent hard rot fungus and other fungi. Pt., 75c; qt., $1.25; gal., $3.95.

CARBON DISULPHIDE. For ants and cut worms. (By express only.) 1 lb., 65c.

CYANOGAS CALCIUM CYANIDE "G." Greenhouse fumigant. For aphis, white fly, thrips, soft scale, and mealy bug. 5 lbs., $3.75; 25 lbs., $12.50; 100 lbs., $30.00. (By express only).

CYANOGAS A. DUST. Kills ants, moles, mice, rats, groundhogs and prairie dogs. (By express only.) 4-oz. tin, 39c; 1 lb., 98c; 5 lbs., $3.75; 25 lbs., $12.50; 100 lbs., $30.00.

CYANOGAS FOOT PUMP. Each, $11.00.

DOG-SHOO. Keeps dogs and cats away from evergreens, shrubs, posts, walls or any place where they are not wanted. Qt., 85c; gal., $2.25.

DOGZOFF. Breaks dogs of bad habits. Spray underneath your evergreens, and guard them completely against the depredation of dogs. Non-poisonous. Per bottle, 60c; by mail, 70c.

DUPONT ROSE DUST. 8 oz. Dust Gun, each 64c; postpaid 75c; 1 lb. sifter top can $1.00; postpaid $1.10; 4 lb. Cannister $3.00, postage extra.

DUPONT 10% D.D.T. INSECT DUST. 1 oz. Puffer Can, postpaid price 30c; 8 oz. Dust Gun 93c; postpaid $1.00; 1 lb. Sifter Top can, each $1.15; postpaid $1.25.

DUPONT GARDEN DUST. A complete insecticide and fungicide. 8 oz. Dust Gun, 79c; postpaid, 89c; 1 lb. Sifter top can, $1.15; postpaid, $1.25; 4 lb., Cannister, $3.50.

STOP. A tree banding compound. Perfect safeguard for trees. Lb. jar, $1.00; 7½ lb. jar, $5.50.

NAPTHALENE FLAKES. 1 lb., 40c; 5 lbs., $1.50; 10 lbs., $2.75; 25 lbs., $6.25.

PINE TAR. For tree surgery. Stops bleeding of the sap. Pint, 50c; qt., 85c; gal., $2.25.

G and O CROW REPELLENT. Protects seed corn from damage by crows, moles, squirrels, etc. ½ pt., 35c; pint, 55c; qt., 85c.

SULPHATE OF IRON. 5 lbs., 60c; 10 lbs., $1.00; 25 lbs., $1.85; 50 lbs., $2.95; 100 lbs., $4.75.

BLACK LEAF MOSQUITO-FUMER

Designed especially to kill biting Mosquitoes to enable user to enjoy outdoor evenings, picnics and camping trips. The especially prepared and compounded powder packed in a sturdy insulated can, contains DDT and nicotine. Just light the Black Leaf Mosquito-fumer and let its effective "smoke aerosol" drift through the area. It is deadly to mosquitoes and quickly penetrates their hiding places. One fumer will treat an average city lot—3 cans treat an acre. Full directions on package. Each, 45c; 6 for $2.50. Add 10c per fumer for postage.

D. D. T. for All Purposes

D. D. T. Household Spray. An oil spray for lasting control of household pests. For spraying or brushing on screens and porch walls, and general household use according to directions. Kills bedbugs, flies, mosquitoes, moths, ants, silverfish and many others. Do not use on plants or animals Quart 65c; prepaid for 75c; gallon $1.85, shipped by express charges collect.

D. D. T. Aerosol Bomb. When released from the bomb in five to seven seconds, non-poisonous Freeon gas impregnated with 3% D. D. T. and 2% pyrethrum, both deadly to insects, completely fills a room, killing insect life and leaving a deadly deposit which will protect from pests for weeks. Moths, mosquitoes, roaches, flies and other household pests are exterminated. Safe to use and harmless to clothing and furniture. One bomb will last the average household months. Aerosol bomb, contents 16 oz., $2.75, postpaid $3.00.
Junior size, 3½ oz. each, postpaid, $1.15; 3 for $3.25.

Aerosol Bomb

DDT 10% Insect Dust. 1 oz Puffer can, 25c; 8 oz Dust Gun, $1.00; 1 lb. Sifter Top can, $1.15, postpaid, $1.25.

D. D. T. 50% Wettable Dust. For diluting in water for spraying, or mixing with talc to prepare dust of desired strength. One pound in 100 gallons of water makes effective garden spray leaving a heavy residual deposit on plants Three pounds to 100 gallons of water makes effective and safe spray for cattle, horses, hogs and other farm animals, or residual spray for walls of barns, stables, hog or poultry houses and milk sheds 8 oz., postpaid, 60c; 1 lb., postpaid, $1.00; 4 lbs., $2.50, postpaid for $2.75.

D. D. T. 30% Liquid Spray. D. D. T. in emulsion form has given results on some insects superior to those from wettable powders. This is safe to use on garden and greenhouse plants, also for spraying barns and other buildings to control flies. Eight ounces will make 25 gallons of garden spray. 8 oz., $1.00, prepaid $1.10; 1 gallon (makes 400 gallons of garden spray) $8.00, shipped by express, charges collect.

D. D. T. 5% Dust. A ready-mixed garden dust of D. D T. combined with a fine, light-weight filler, safe to use on all plants in gardens and greenhouses, also on livestock, dogs, pet animals (except cats) and poultry. Its extra strength assures maximum pest control. 1 lb. 35c; postpaid, 45c; 5 lbs., $1.25, postpaid, $1.50; 25 lbs., $4.25, shipped by express charges collect.

Weed Killers

EndoWeed. Preparation of 2,4D in liquid form which will kill most lawn weeds when sprayed on according to directions. ½ pint can, $1.00; postpaid, $1.10; qt. can, $2.75; postpaid, $2.90; gal. can, $7.50.

Endo Pest. A triple acting dust for garden plants which kills insects of all types and protects against fungus diseases An all-purpose material to protect gardens against both insects and disease with same treatment. 10 oz. handy applicator gun, 98c; postpaid, $1.10; 10 oz. refill Cartridge, 75c; postpaid, 85c.

Rotenone Garden Guard Pump Gun

The old proven Rotenone insecticide which controls both sucking and eating insects. A full pound in a pump gun duster ready to use, each, 65c, postpaid, 75c.

ACME TOMATO DUST

Contains basic copper arsenate. The latest improvement in the insecticide field containing a safe arsenical for controling the tomato worm and the tomato fruit worm as well as the early and late blight and other fungus diseases. A full pound package ready to use, each, 50c, postpaid, 60c.

AZOFUME 10
KILLS RED SPIDER AND MITES

When your evergreens lose color and the phlox leaves turn brown, red spider is likely to blame. This almost microscopic pest, and other insects even smaller, do lots of damage to garden plants, and are difficult to control. A new insecticide, Azofume, has been found to do the job for greenhouse operators; and it is now available for garden use, as a dust which can be applied to your evergreens and other plants with safety to both plants and operator. Ready to use in your duster.

AZOFUME 10, 1 lb. 80c; postpaid 90c; 4 lbs., $2.40; 50 lbs., $17.50, postage extra.

Weedar 64. A soluble salt of 2,4D which dissolves completely in water and does not clog nozzles, suitable for pre-emergent and post-emergent control of weeds in cereal crops, and for easy-to-kill weeds in turf and pasture.
1 gallon can, $9.25; 5 gal. can, $45.00; 54 gallon drum, $472.78, F.O.B. Chicago or New York City.

Weedone Concentrate, 48. A high concentration of 2,4D ethyl ester, effective on both easy and hard to kill weeds, and in general the most economical form for large operations.
1 gallon can, $10.90; 5 gallon can, $53.50; 54 gallon drums, $556.20, F.O.B. Chicago or New York.

Weed-no-more. This is a liquid form of 2,4D which is diluted with water and sprayed on plants to be killed.

Size	Area Treated	Postpaid Price
8 oz.	1,600 sq. ft.	$1.10
Quart	6,400 sq. ft.	3.13

Dandykill with Nitrogen. This is a dry soluble salt of 2,4D, light in weight, thus easy to ship, handle and clean from spraying equipment. It is economical to use and when directions are followed it will give results equal to any other preparation of this chemical. It contains a substantial proportion of nitrogen fertilizer, which stimulates the growth of fine lawn grasses and causes them to spread over vacant spaces left by dying weeds.

Size	Area Treated	Prepaid Price
2 oz.	800 sq. ft.	55c
6 oz.	2,500 sq. ft.	$1.00
24 oz.	10,000 sq. ft.	3.00
5 lbs.	1 acre, $10, by express collect.	

Concentrated Dandykill. For use on large areas, Dandykill is offered in a special concentrated form, 70 percent 2,4D, without nitrogen saves shipping costs when quantities are used. Shipped F.O.B. Chicago or New York.

Size	Area Treated	Price F.O.B.	Shipping Wt.
10 lbs	4 acres	$1.95 per lb.	12 lbs.
50 lbs	20 acres	1.75 per lb.	56 lbs.

AMMATE WEED KILLER (DUPONT)

(Ammonium Sulfamate.) A non-poisonous weed killer which can be applied by hand or sprayer, or can be applied dry Will kill Poison Oak, Poison Ivy, Poison Sumac, Dandelions and Plantain. Use ¾ to 1 lb. to a gallon of water. Price, 2 lb. bottle, 85c; postpaid, 95c; 6 lb., $2.25; 50 lb., drum., $13.00.

Floralife. Makes your cut flowers live longer. Pkt. to make 1 qt. solution, each, 10c, three pkts. for 25c. Home size tin makes 30 qts., each, $1.00; 100 qt. size, each, $3.00; gift pkg., $1.00.

PRATT'S FRUIT TREE SPRAY

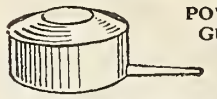
A combined fungicide and insecticide containing Sulphur, basic Arsenate of Lead and DDT for control of many chewing and sucking insects and fungus diseases on fruit trees, ornamentals and evergreens. 1 lb. Sifter Top can 70c; 3 lbs. bag, $1.30.

Dusters

FEENEY MODEL C DUSTER

Splendid Hand Duster. Each, $1.15, postpaid, $1.25.

CYCLONE



POWDER GUNS

JUMBO

Cyclone, each, 35c. Jumbo, each, 60c. Postage extra, each, 5c.

Dobbin's Improved Hand Duster

Recommended for applying Pyrethrum, Rotenone, Derris Root. A uniform discharge down to the last particle of dust. For all garden and field crops. Self-lubricating pressure seal valve plunger. Capacity 1 lb., equipped with two-way dust cap.
No. 132 Duster.....Each, $1.60. postpaid, $1.85.

Write for price and leaflet on the large American Beauty Duster.

SUPERBUILT UNIVERSAL DUSTERS
No. 200
$15.00

No. 200, capacity 5 to 10 pounds with return bends for dusting in rear of operator. Each, $21.25.

A powerful duster for field, garden or orchard use. Gears contained in duster proof gear case run in oil—easy running. Powerful air blast breaks up powder into uniform size dust. Complete with attachments for dusting one or two rows.

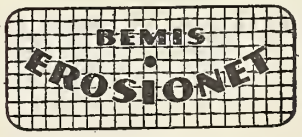
BURN WEEDS AND PESTS

Flame Shooter Gun

General utility torch indispensable on the farm, garden, barn, etc , handy for cleaning out irrigation ditches, removing weed and destroying insect pests. 4 gal. heavy all-welded (not riveted or soldered) corrugated fuel and air tank tested to 100 lbs.; burns kerosene, range oil, stove or light furnace oil. Price complete, $21.95 (weight, 17 lbs.).

USE EROSIONET

For New Lawns, Weak Lawns, and Stubborn Terraces



Made of strong open mesh fabric, will hold your seed and sod firmly in place, prevents washouts, does not present an unsightly appearance, grass and clover soon rendering it almost invisible. Can be removed when grass becomes 2½ in. high. Width, 45 inches. Price per yd., 28c; 25 yd. lots, 26c per yd.; 100 yd. lots, 25c per yd.; rolls of 250 yds., 24c per yd.

Sprayers for Insecticides

DOBBIN'S BIGHEAD SPRAYER

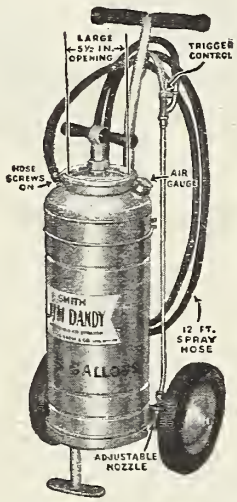
5½" diameter opening. Easy to fill, drain and clean. Positive quick sealing device. Equipped with patented self-lubricating pressure seal valve plunger. More air per stroke. Brass shut-off with trigger quick spray lock. Universal nozzle, sprays at any angle. Will handle all spray solutions. 4 gallon capacity. No.44G Galvanized tank. Each, $12.15. Stainless steel each, $20.00.

SMITH'S SPECIAL SPRAYER

A durable, low-priced sprayer, has a funnel top, made of heavy steel or solid brass tank as illustrated. 3½ gallon capacity.

Price, galvanized, $9.35.

Jim Dandy Cart Sprayer



The king of all sprayers. The all around sprayer for lawns, vegetable crops, trees, shrubs, etc. Also a handy sprayer for factory or indoor use. Easily wheeled around. Equipped with balloon tires and 12 ft. of ⅜ inch high grade spray hose and automatic shut-off nozzle. Galvanized, prich each $37.50.

CHAMPION KNAPSACK SPRAYER

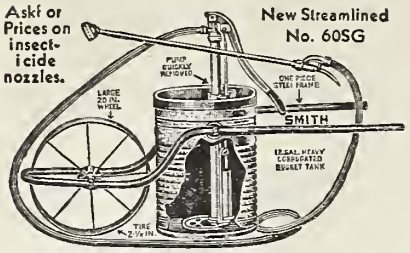
This all purpose, portable sprayer will handle insecticides, fungicides, weed killers, water paint, etc. Equipped with brass agitator, will hold 4½ gallons of any liquid. The form fitting tank is held comfortably in place on operator's back by adjustable straps. Price, galvanized, each $24.95; with brass tank, $27.95.

2,4D SPRAYER

See page 8 for illustration and description of Hudson 2,4D sprayer, with rubber tired cart and three nozzle distributor, which applies weed killers evenly, with safety to adjoining plants.

WHEELBARROW SPRAYER

Ask! or Prices on insecticide nozzles.



Goes anywhere like a wheelbarrow, through narrow openings. For spray solutions, disinfectants or whitewash. With extra long handle and large air chamber, fittings, steel extension, develops 250 lbs. pressure with minimum of effort. Made of best materials, all working parts of brass or bronze. Cart is strong, all steel and cross braced. Tank holds 18 gallons. Fully equipped with hose, nozzle, etc. $33.25. Shipping weight, 80 lbs.

No. 60 S.P.G. Same as above, but with pressure tank and gauge and iron wheel. Price, $47.25.

UTILITY PORTABLE POWER SPRAYER

25 gal. steel tank, 1½ H. P. engine, 12½ ft. high pressure hose and adjustable spray gun with Rubber Tires. Price each, $175.00. Write for leaflet.

G. S. MASTER SPRAYER

This sprayer can be used for spraying all types of insecticides, flower and vegetable gardens, fruit and ornamental trees. Sprays from a fine mist to a 35 ft. spray stream. Made of 100% brass throughout. Jr. Model each, $5.95; Master Model with adjustable nozzle and 45 degree brass extension, each, $7.95.

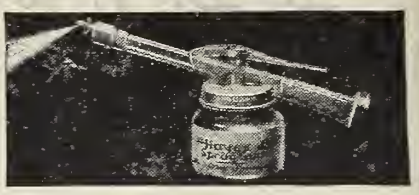
PNEUMATIC HAND SPRAYER

Compressed air hand sprayer. Operator sprays with one-half labor ordinary sprayer requires. Throws a fine mist and can be used to apply insecticides etc. One quart size has extra nozzle for underleaf spraying. Galv. tank, $1.60; tin, $1.35.

BLIZZARD COPPER CONTINUOUS SPRAYER

Very durable, seamless brass pump, solid copper tank with adjustable nozzle for straight and underleaf spraying. Pint size, $3.85; quart size, $4.85.

GARDEN HOSE APPLICATORS



Hayes Jr. Spray Gun

All Purpose Sprayer. Makes 3 gals. of mixed spray material at a time. Sprays liquid and most wettable powders, up, down and sideways. Attach to your garden hose. Gives you the efficient performance of heavy, expensive equipment. Operates on water pressure from 30 to 75 lbs. No moving parts to wear out or break. Each, $6.95.

This is a special mixing and spraying nozzle which attaches to the garden hose. Insert insecticide cartridge and spray—as easy as watering your lawn. Brass finish, each, $4.00. Chrome finish, stationary nozzle, each, $4.50; with adjustable nozzle, $5.50.

36 inch extension, straight chrome finish, $1.75.

CARTRIDGES FOR GARDEN HOSE SPRAYERS

We can supply a complete line of cartridges, Rotenone, Nicotine, Pyrethrum, D. D. T., Sulphur, Bordo or Arsenate of Lead. Price, each, 35c; three for $1.00; doz., $3.85.

INSECT-O-GUN

This is a 3 gallon Lawn and Garden Insecticide Sprayer. The most compact, simple and easy to use sprayer available. Just put insecticide in the Pint Jar, attach to the Garden Hose, and the water pressure does all of the work. Eliminates pumping and carrying a heavy tank. Recommended for applying 23-D for exterminating weeds. Price each, $5.95.

FERTILIZER APPLICATOR

(Fertilizes as you Sprinkle)

Make fertilizing as easy as sprinkling your lawn. Fertilize through your hose. Mixes the right amount of ammonium sulphate, nitrate of soda, potash or any soluble fertilizer with the water with which you sprinkle your lawn. One end screws into the faucet, the other end takes the hose, the small tube drops into the bucket of fertilizer. Made of die cast metal. Price, $1.75; postpaid, $1.90.

Ross Root Feeder. Irrigates and feeds at the same time with 12 nutrient cartridges complete, $3.50. Extra cartridges, carton of 12, $1.00.

Swan Double Braid Green Garden Hose. Full 5/8 inch. This hose is guaranteed for 15 years. Has smooth, tough inner tube and 2 braids of heavy rayon cords. A beautiful green cover of wear resisting Neoprene, equipped with nickel plated maxivolume coupling. Will not burst under 800 lb. water pressure. 50 ft. only weighs 16 lbs. Easy to handle. Price per 50 ft. length coupled, **$9.95.**

Swan Black Single Braid Hose. Full 5/8 inch. Same construction as above. Guaranteed for 5 years. 50 ft. length weighs 14 lbs. Price per 50 ft. length coupled, **$7.45.**

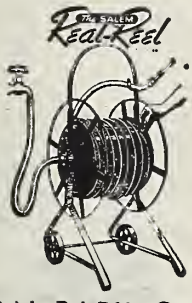
Plastic Green Feather-Lite Hose. An attractively ribbed bright green 3/4 inch hose. Easy to handle and store. About one-third the weight of ordinary hose. Extremely tough and long lived. 50 ft. weighs only 11 lbs. Price per 50 ft. length coupled, **$22.50.**

Plastic Hose Grass Green. Full 1/2 inch. Weight 6 lbs. Price per 50 ft. length coupled, **$9.95.**

Rubber Garden Hose. 5/8 inch, single braid, coupled, 50 ft. length, price **$6.95**; 3/4 inch, double braid, coupled, 50 ft. length, price **$11.95.**

HOSE REEL

The only portable reel permitting water to run through the reeled-up hose. Equipped with 5 ft. of accessory hose and connection to attach to hydrant as illustrated. Saves time and work. The hose does not need to be removed from the reel to connect it to the water current. Made of the best steel, very durable. Price each, **$14.95.**



LINCOLN PARK OR BUTTERFLY SPRINKLER

Cheapest and best sprinkler made. Each, **$1.00**; postpaid, **$1.10.**

JUSTRITE BRASS HOSE NOZZLE

For lawn and garden, can be changed from fine spray to stream. 3/4 inch, each, **95c**; by mail **$1.00.**

RAIN KING ADJUSTABLE HOSE NOZZLE

Can be adjusted from fine spray to stream. Price, each, **$1.35**; postpaid, **$1.45.**

ROSS SQUARE SPRAY HEADS

It sprinkles a square, making it easy for you to install your own underground system, at a very low cost. Threaded for 1/2 in. pipe, capacity 3 1/4 gals. per minute. Has a slotted adjusting screw to control the area of the spray. 54A. Price, ea., **75c**; per doz., **$8.40.** 64A. 1/2 or 1/4 circle heads. Price ea., **75c**; doz., **$8.40.**

ROSS NO. 10 HAND SPRINKLER

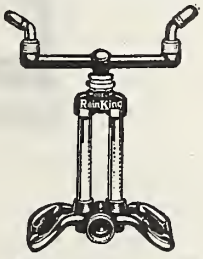
Preferred by nurserymen and home owners alike. Capacity 13 gallons per minute. Do not compare with cheaper imitations. Each, **$1.25**; postpaid, **$1.35.**

SOIL SOAKER

Soil Soaker for deep soaking, the water method approved by agricultural colleges and nurseries, now available for home use. Equipped with regular hose connection for attaching to hose or pipe. Price, No. 0, 12 ft., **$1.65**; No. 1, 18 ft., **$2.20**; No. 2, 30 ft., **$3.40**; No. 3, 50 ft., **$5.50.**

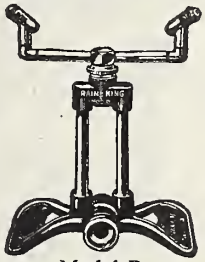
RAIN KING SPRINKLER MODEL H

Chrome plated. Adjustable for coarse or medium shower. Can be used for revolving or stationary sprinkling by simply turning lock wheel. 11 1/4 in. tall; 9 1/4 in. from nozzle to nozzle. Price ea., **$6 75.** Shipping weight, 5 lbs.



Model K

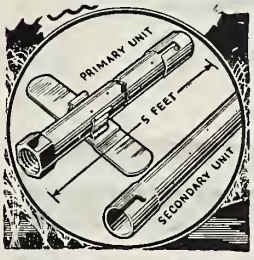
Automatic, new, sensational sprinkler that you can set instantly to sprinkle any size circle 5 to 50 ft. by simply turning the button on top of the sprinkler. Price each, **$7.75.** Shipping weight, 5 lbs.



Model D

Can be adjusted to operate slow or fast. Will operate on any water pressure. Price each **$5.50.** Shipping weight, 4 lbs.

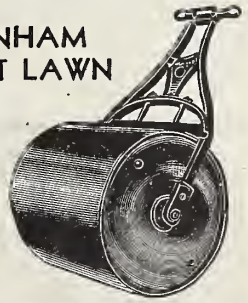
NATURAIN PERPETUATED PIPE



Made of durable aluminum and stainless steel. Each section 5 feet long, weighs less than a pound. Ordinary pressure will throw water 20 feet. Extra 5 foot lengths can be connected with a twist of the wrist. Primary unit with hose connection, price each, **$2.95**; Secondary Units, each, **$2.75.** With ordinary pressure five units can be used.

GENUINE DUNHAM WATER WEIGHT LAWN ROLLERS

Again we can supply this best of all lawn rollers made. By varying the quantity of water, the weight can be altered to suit the job. Empty, the roller is easy to handle.



No.	Diam. in.	Length in.	Wt. Empty	Wt. Filled	Price
2	14	24	68#	175#	$15.45
4	18	24	82	265	16.95
7	24	24	110	420	25.95
9	24	32	130	565	29.95

POWER LAWN MOWER HEINEKE EXCELLO

20"; Lightweight; easy to operate; positive clutch action; semi pneumatic tires; all steel construction. Weight 135 lbs. Due to shortage of Briggs and Stratton 3/4 H.P. engines, some of the mowers will be equipped with 1 1/2 H.P. Continental engines. Price with 3/4 H.P. Briggs and Stratton engine **$145.00**; with 1 1/2 H.P. Continental Engine **$150.00.**

Heineke Excello 18" Power Mower.

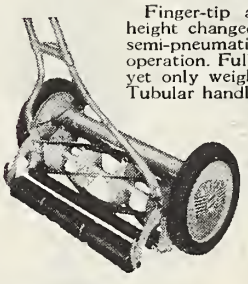
Equipped with either Briggs and Stratton or Lawson 3/4 H. P., 4 cycle air cooled engines. Price each, **$99.50.**

HEINEKE HAND MOWER

Smooth operating; trouble free 16" cutting width; 10" wheels; rubber tires and rubber roller; approximate shipping weight 37 lbs. Trimmed in colorful red and cream. A superior product backed by over 45 years experience. Price each, **$19.15.**

CLEMSON LAWN MOWER

Finger-tip adjustment. Cutting height changed in a second. Large semi-pneumatic wheels insuring easier operation. Full 17" cut. Ruggedly built yet only weigh 35 pounds complete. Tubular handles. Each, **$31.95.**



GRASS CATCHER

Durable canvas kid grass catcher with solid aluminum bottom. Has a sturdy bottom brace to practically eliminate wear and tear of bottoms. Also adds to catcher's overall strength. Adjustable to fit all hand mowers from 14 to 18 inch widths. Price, each, **$2.50**; postpaid, **$2.75.**

FLEXIBLE MOWER BLADES

No sharpening, no grinding. Old lawn mowers will cut as good as new. New mowers will cut better, too. Easily attached to mower by removing old blade. Sizes 14, 16, 18 and 20 inches. Postpaid price **$2.00.**

Capital Lawn Trimmer and Edger

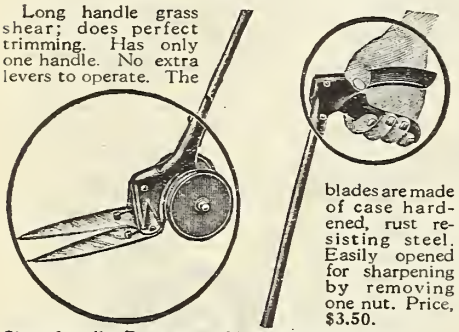
For trimming grass around edges and around trees, flower beds, shrubbery, etc. Price each without edger, **$18.00**; With edger, **$19.00.**

EXCELLO 24" LAWN SWEEPER

Save time and energy, eliminate tedious raking, let the quiet Excello Lawn Sweep gently sweep leaves, grass, clippings, small twigs and paper from your lawn and driveway into a canvas basket with easy action. Width 24". All castings of special aluminum alloy. Strong, durable and rust-proof. Semi-pneumatic tires. Brush unit mounted on self adjusting chrome steel bearings. Aluminum alloy caster wheels provide ease of operation. Shipping weight 55 lbs. Each **$37.50.**

DOO-KLIP GRASS SHEARS

Long handle grass shear; does perfect trimming. Has only one handle. No extra levers to operate. The



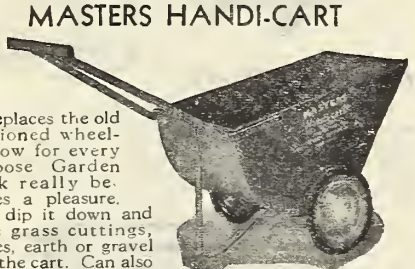
blades are made of case hardened, rust resisting steel. Easily opened for sharpening by removing one nut. Price, $3.50.

Short handle. Price each. **$1.95**; Pospaid, **$2.00.**

HANDY CRAB GRASS RAKE

This rake is formed so that the teeth pull flat on the sod; thus they get under the branches of the Crab Grass, shear off the entire head of the plants and keep them from further seeding. You can eliminate crab grass with this rake and not harm the other grasses; it will also pull out any weed that clings close to the ground. Each, **$1.75.**

MASTERS HANDI-CART



Replaces the old fashioned wheelbarrow for every purpose Garden work really becomes a pleasure. Just dip it down and rake grass cuttings, leaves, earth or gravel into the cart. Can also mix cement right in the cart. No 18-S, size of wheels 10 in. diameter. Extreme overall width of cart 20 in. Size of hopper body 26½ x 16 x 12½ in Price each, $9.95.

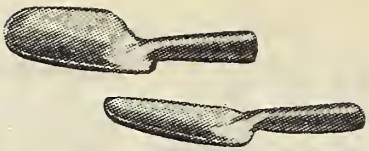
No 20-D, size of wheels 10 in. diameter. Extreme overall width of Cart 25 in. Size of hopper body 27½ x 21 x 13½ in. Price each, $11.75.

KNIVES

Budding and Prop. Two blades; white handle; brass caps. Each, **$3.50**; by mail, **$3.60.**

Propagating. "The Vaughan," best of all. Each **$2.75**; by mail, **$2.85.**

Pruning, Heavy. Each, **$3.25**; by mail, **$3.35.**



ALUMINUM GARDEN TROWEL

Made of all aluminum. One piece, heavy duty trowel, each **65c**; postpaid **75c.**

For transplanting. Aluminum, narrow, one piece. Each, **65c**; postpaid, **75c.**

STEEL GARDEN TROWEL

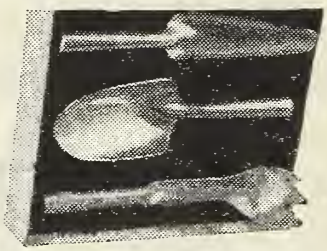
Made of high quality carbon steel with hard wood handle. Price each, **45c**; postpaid, **55c.**

All Steel Highest Quality. One piece steel shank. Price each, **$1.50**; postpaid, **$1.60.**

MELCO FEATHERLIGHT SET

Set of 3 for $3.95, postpaid $4.25

Unpolished. Set, $2.30; postpaid $2.50.



Made of cast aluminum as strong as steel, these tools are light as a feather, and moulded to fit your hand. They are absolutely rust-proof, and easily cleansed and polished, so they will be beautiful as well as useful as long as they last, which will be for many years A large trowel, small transplanting trowel, and hand-fork for cultivating are included in the set of three.

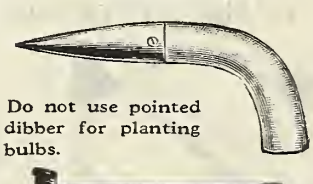
HOLE-IN-ONE PLANTING TOOL

Make a hole in one operation. Simply cut the tool into the soil, remove it with a twisting motion, and with the tool comes a plug of soil, leaving a perfectly flat bottomed hole. Small hand tool for cultivated soil. Each, **75c**; postpaid, **85c.**

Longhandle, each, $6.00.

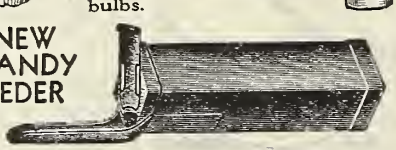
DIBBER

For transplanting vegetable plants, steel point (weight 10 oz.). Each, **$1.25**; postpaid, **$1.35.**



Do not use pointed dibber for planting bulbs.

NEW HANDY SEEDER



This little handy seeder will sow seeds up to size of sweet peas, scatters seed individually, prevents crowding and choking of seedlings, eliminates guess work because you can see each seed drop, no matter how fine. Saves time. Price, each, **65c**, postpaid.

GRAFTING WAX. Per ¼ lb. bar, **30c**; ½ lb. bar **45c**; 1 lb. bar, **70c.**

SEED SOWER

Cyclone. (New Improved Model.) An accurate portable seeder, for all broadcast sowing or fertilizing. Fits comfortably over shoulder; provided with automatic adjustment for stopping flow of contents when required. A great time and labor saver. Each, **$3.75.**

BONHAM GARDEN CULTIVATOR

Makes gardening a pleasure Complete with cultivator teeth plow and furrower All metal parts are dipped in weather-proof and rust resistant paint Price each, **$4.95.**

No. 1523 Gardex Cultivator, Weeder

Cultivate and weed with one tool. Important for every gardener. The 3-prong cultivator loosens the soil thoroughly while the weeding blade cuts off all weeds quickly One tool for two purposes. Painted red, 3 prongs 4⅛" wide. Weeding blade 4" wide—without handle. **$1.35.**

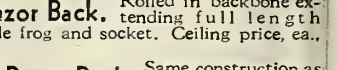
No. 1605 Gardex Interchangeable Garden Cultivator

The ideal tool, and the friend of many gardeners. A faithful helper for every woman who tends her own flower and vegetable garden. Loosens and air-conditions the soil in flower and vegetable gardens. The position and construction of the tines cause them to penetrate any soil easily, and they loosen and aerate the ground thoroughly with an easy pulling motion. No chopping hoe can do this job so evenly and neatly.

No. 1605—5 prongs adjustable width ¾" to 7"—with 5 ft. normal length Gardex handle..... **$1.50**

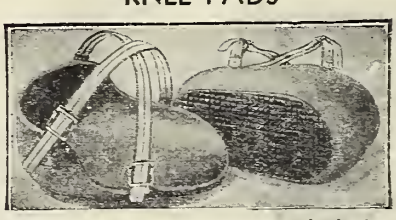
SPADE. Razor Back. Rolled in backbone extending full length through blade frog and socket. Ceiling price, ea., **$2.25.**

SHOVEL. Razor Back. Same construction as spade. Ceiling price, each, **$2.25.**

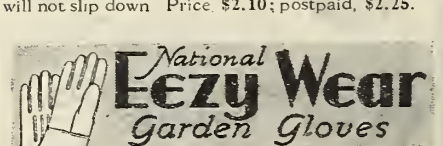


FORK. Lightweight Spading. True temper quality, handy for spading around shrubbery and perennials. Each, **$1.95.**

KNEE PADS

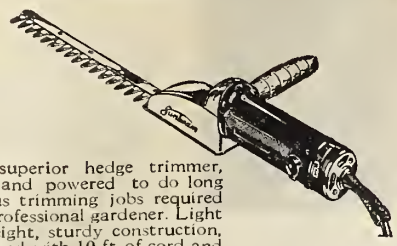


All rubber cushion pads constructed of solid and sponge rubber with adjustable straps; fit any knee, will not slip down Price **$2.10**; postpaid, **$2.25.**



Made of imported leather processed to make it pliable as kid and washable. An ideal glove for men and women gardeners. Will outwear six cotton gloves. Sizes for women: "Small," "Medium" "Large"—for men "Medium" and "Large." Price, **$1.50** a pair, postpaid.

SUNBEAM ELECTRIC HEDGE TRIMMER



A superior hedge trimmer, built and powered to do long tedious trimming jobs required of a professional gardener. Light in weight, sturdy construction, equipped with 10 ft. of cord and plug. Price, each, $37.50. Extra cord, 50 ft., $4.50; 100 ft., $7.95.

PORTER ONE-HAND PRUNER

This pruner is twin-cut professional, forged from tool steel. The pivot bolt cannot loosen in use, yet can be easily adjusted. Equipped with new concealed locking device. Instantly locks or unlocks the closed tool with the touch of the thumb. 9 inches, full polish, price, each, $6.75; postpaid, $6.85.

TELEPHONE TREE PRUNER HEAD ONLY

A strong rugged pruner with operating mechanism entirely in the pruner head. Can be fitted to any pole. Price, $3.25.

THE PORTER POINTCUT PRUNER

Designed for the fruit grower. Light in weight, 2½ lbs., 20 inches long. Easy to use in close places. $7.50.
No. 2—27 inches long, will cut branches up to 1½ inches in green wood. Each, $8.50.
No. 3—34 inches long for heavy pruning. Each, $9.75.

BUCKEYE PRUNER

A strong rugged pruner, handles reinforced by strap iron. 20 inch, each, $3.50; postpaid, $3.75; 26 inch, $3.75; postpaid, $4.00.

Snap Cut Pruner. No. 906B. Heavy duty, full polished, $2.50; postpaid, $2.60.

CLYDE TREE PRUNERS

6 ft., each	$3.45	10 ft., each	$4.50
8 ft., each	3.85	12 ft., each	5.00

Subirrigating Window Box. Attractive metal indoor window box designed to apply water at plant roots. Finished in pale green to blend handsomely with plant colors. Length 27 in., width 5¼ in., height 6 in. Sturdy steel construction. Each, $3.25. Shipped by express only.

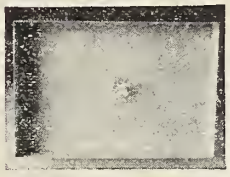
Sieves. For sifting soil. 18 inches in diameter, all size mesh from ⅛ to ½ inch. Each, $2.75.

FLORALITE

A garden light that brings glowing beauty to the garden. Does not attract insects because of amber color. Height 24 in. plus 8 in. push-in-ground base. Complete with 15 ft. approved weather-proof cord. Each, $5.00.

Vaughan's Wick-fed WOOD SEED STARTER

View of Wick-fed Starter with Plant Bands. Size, 12x18 inches, 4 inches high.



How wick is placed in bottom of starter.

End view showing water pan below.

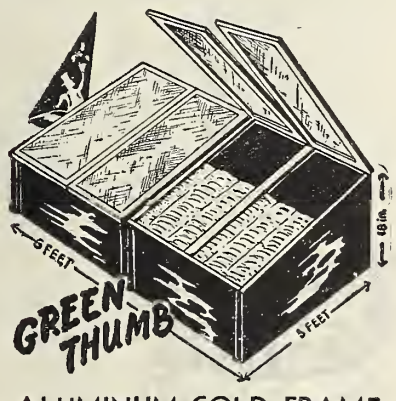
Complete, with Fibre Glass Wick, Plant Bands and Sphagnum Moss, For $2.95
(Weight, 7 lbs.); P.P. Charges Extra

This seed starter must not be confused with the fragile, impractical pasteboard devices which have disappointed so many customers. This is a full size "flat," made of heavy wood to last for years, stained pale green, which you will be glad to have in your sun parlor or living room window.

It makes use of two of the most recent scientific developments in seed starting: 1. Wick-feeding of water, which keeps the soil at just the right moisture, never drying out, never too wet, and never dripping dirty water from an overflow. 2. The use of sphagnum moss to prevent damping off of seedlings, highly recommended by the U. S. D. A.

Complete instructions for operation are shipped with every order.

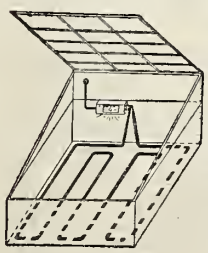
We recommend shipping Express. Will ship Parcel Post at purchaser's risk against breakage. Postage extra.



ALUMINUM COLD FRAME

This complete self-insulating cold frame, will be a boon to those unable to obtain standard glazed sash. Measures 3 by 6 ft., divided into four sections, sash glazed with Vimlite celanese plastic which admits ultra-violet rays and is hail proof. Made of 3-S Aluminum. It is strong and rigid; yet sash are light and windproof. Packed in carton, weighing about 17 pounds, easily assembled in 10 minutes. F.O.B. Chicago, Ill., or New York City, each, $20.95.

Suburban Size same construction as above, 3 x 3 ft. Price, $12.25. Weight, 11 lbs. packed. Add to units for either size above 3 x 3 ft., each, $11.75.



GRO-QUICK Electric Seed Bed Heater

Soil heating cable and thermostat. Jr. package contains thermostat and 40 ft. 200 watt cable for 3x6 ft. hot bed or 20 square ft. of cold frame. Price $6.75. Sr. package contains thermostat and 80 ft. 400 watt cable for 6x6 ft. hot bed or 40 square ft. of cold frame. Price $9.00; Jr. cable only price $2.25; Sr. cable only price $4.50.

VITAPANE

A flexible glass substitute; transparent all purpose window material, withstands wind, snow and rain, allows more light, permits easy inspection. Put up in rolls 36 inches wide. Price per 50 ft. roll, $10.25; ½ roll, $5.50; per yd., 75c.

SEED FLATS-WOOD

Made from Cypress and Pine. Flats come knocked down. Put up in bundles sf 10 flats.

No. 3.-	21½x14x2-¾	in. per bdl. of 10	$5.60
No. 3-A.-	21½x14x3-¾	" " " "	6.20
No. 4.-	24 x15x2-¾	" " " "	6.50
No. 4-A.-	24 x15x3-¾	" " " "	7.20

We do not break bundles.

CEL-O-GLASS

Will take the place of glass. Unbreakable and very light in weight. Properly installed Cel-O-Glass is guaranteed for five years. Will not break like glass or tear like cloth. Flexible, easy to handle and install. 3 ft. wide. Per yard $1.65; 25 ft. roll $9.95; 100 ft. roll $33.50.

THERMOMETERS

Hotbed

Hotbed. All glass, each, $1.95, postpaid.
Self-Registering. With magnet to set it, 8-inch, each, $10.00; registers highest and lowest temperature.
Thermometers shipped by parcel post at purchaser's risk only.

PLANT BANDS

Made of waterproof, mildew resistant material. Will last a full growing season
30—2 in., per package, 25c; postpaid, 35c.

Green Neponset Paper Pots

Especially adapted for growing.	Doz.	100	1000
2½-inch	$0.55	$2.15	$14.95
3-inch	.60	2.25	16.75
4-inch	.70	3.50	24.95
5-inch	1.00	4.25	32.95

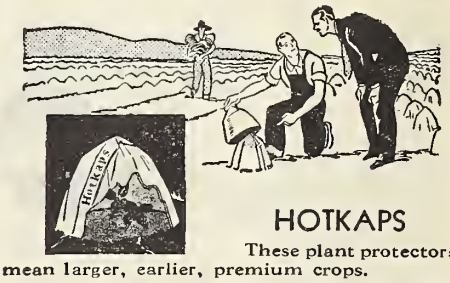
NEPONSET PAPER POTS (RED).

Made of waterproof paper, light, clean and unbreakable.

	Doz.	100	1000
2 -in.	$0.25	$1.25	$ 7.95
2¼-in.	.30	1.35	8.20
2½-in.	.35	1.60	8.35
3 -in.	.40	1.80	8.75
3½-in.	.50	2.00	12.25
4 -in.	.60	2.75	14.00
5 -in.	.75	3.25	20.00
6 -in.	.85	3.60	23.50

Write in for Prices on Hotbed Mats.

MOSS. MOSS Sphagnum. Burlapped bales. Ea., $3.50.



HOTKAPS

These plant protectors mean larger, earlier, premium crops.

Protects plants from frost and other elements, matures crops earlier, keeps insects out, keeps soil soft. They are made of a specially prepared waxed paper and are cone-like in shape, measuring about 11 inches in diameter at the base and coming to a point at the top. When placed over the plants and held firmly in place by the soil around them, Hotkaps become individual miniature hothouses.

Hotkap Setter. Will prove very helpful. This is a small steel cone, the exact shape of the Hotkap itself, with a handle at the top. The cost of the Hotkap setter is nominal and it can be used a lifetime.

Prices: 1,000 lots, $14.65; 5,000 lots, $14.50 per M. 10,000 lots, $14.35 per M; 25,000 lots, $14.20; 250 Trial Package including Fibreboard Setter $4.65; 100 Home Package, including Fibreboard Setter, $2.75. Wt., 1,000 package HOTKAPS, 33 lbs.; 250 package, 10 lbs.; 100 package, 5 lbs.; Fibreboard Setter alone, 25c; Steel Hotcap Setter, $1.95.

Special Trial Garden Packages 25 Hotkaps

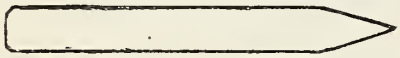
Including setter. Package of 25 Hotkaps and cardboard setter, 70c, postpaid 90c; package of 100, including fibreboard setter, $2.75, postpaid, $3.00.

Labels, Plant Supports, Protectors

Rose - Los Angeles

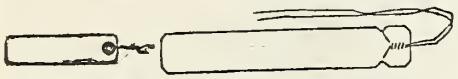
No. 31 SIMPLEX Green Weather-Proof Plant Labels. Price includes copper wires for attaching and stylus with orders for 100. No. 31, size, 3x½ inch, per doz. 45c; per 100, $2.75.

LABELS—Wooden. For pots, painted.



	100	1000		100	1000
4-inch....	$0.65	$3.25	12-inch ..	$1.95	$16.00
6-inch....	.80	4.35			

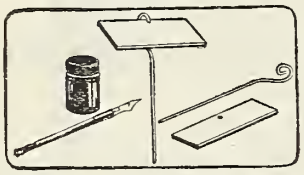
Tree, Labels Wired. 3½ in. 100, 75c; 1000, $4.35.



LABELS. Zinc, Tree. Wired 3¾ inches long ¾ inch wide. Price, per doz., 35c; 100, $2.10.

Perma Label Zinc—New Improved Type

Same as illustrated above. These labels do not have hole. They can be tied around twig or limb with one loop. Made of soft zinc, should last permanently. Price, per 100, $1.35; 500 for $6.00.

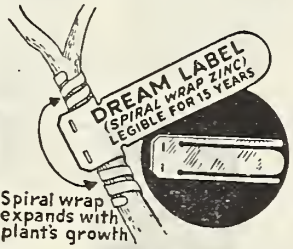


ADAMS Garden Marker

is a weather-proof label of masonite, ⅛ inch thick, 1 x 3 inches, ⅛-in. thick, coated with aluminum based waterproof paint. It is held at the right tilt to be legible from standing position, on 10½ inch metal stake with swan-neck locking curve. Kit of 24 markers with ink and marking pen, $2.50; postpaid, $2.65; 24 additional markers without pen and ink. Price, $1.50; postpaid, $1.60.

DREAM SPIRAL WRAP ZINC LABELS

The only permanent label that expands as the plant grows. Size 1¼" x 4". The acid etched name and full record of plant (especially for roses, azaleas, trees, shrubs, etc.) Plainly legible for 15 years. Eliminates all chance of girdling. Makes a wonderful non-rusting label for pots and perennial beds.



"Kit size (for average home garden) contains 24 labels, ample etching acid and applicator pen. .....Price Ea. $ .85

"50 Unit" size (for 50 ft. by 100 ft. planting) contains 50 labels, ink and applicator.....Price Ea. $1.50

"1000 Unit" size (for small estates, orchards, cemeteries, etc.) contains 1000 labels and 5 oz. of ink and applicator.....Price Ea. $19.00

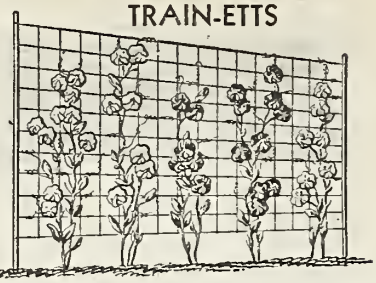
METAL LAWN SIGNS

These attractive signs have raised letters, baked enamel finish for long attractive service. Have center holes for attaching to stakes. Size, 3¾x12 inches. Colors, green on white and black on white. Sign wordings—Please-Seeded—Keep Off The Grass. Signs with stakes, each, 50c; six for $2.70.

Wayward Vine Guide and Support

For Training and Supporting Ivy, Small Fruiting Trees and all other Vines, etc. on Brick, Stucco, Stone and Cement Walls without Defacing. No Nails—No Holes. Price, box of 25, including cement, $1.00; postpaid, $1.10.

TRAIN-ETTS



New weatherized trellis netting. Ideal support for Sweet Peas, Morning Glories or any of the light climbing vines. Made in three sizes. No. 1, 60x72 in., 65c, each, postpaid, 70c. No. 2, 60x96 in., 85c, each, postpaid, 90c. No. 3, 60x180 in., $1.25, each, postpaid, $1.35.

TWISTEMS

New handy plant tie. A twist of the wrist and a plant is tied. They are dark green so they blend with the foliage. No twine, raffia or shears needed. Handy for tying tomatoes, peonies, dahlias, etc. 8-in. size, price per package of 125, 35c; postpaid 40c. 16-in. size, price per pkg. of 125, 65c; postpaid, 75c. 16-in. size, price per bundle of 250, $1.25; postpaid, $1.35.

STAKES

STAKES—HEAVY TONKIN. Natural Color.

Heavy weight bamboo, entire stake same weight; do not taper. Ideal for roses, dahlias, young trees, etc. Will last a lifetime. F.O.B. N. Y. F.O.B. Chicago.

Length	Diameter	Doz.	100	Doz.	100
4 ft....	½ to ⅝ inch	$1.75	$11.00	$2.00	$11.50
5 ft....	⅝ to ¾ inch	2.20	12.25	2.50	13.00
6 ft....	⅝ to ¾ inch	2.50	14.00	2.75	15.00
8 ft....	⅝ to ¾ inch	2.75	16.00	3.00	16.75

STAKES—WOODEN. Painted Green.

Heavy Grade (for Dahlias).	Per doz.	Per 100
3 ft.	$1.75	$12.00
4 ft.	2.15	15.00
5 ft.	2.75	18.50
6 ft.	3.25	22.50

Light Grade (for smaller plants).

	Per doz.	100		Per doz.	
1½ ft....	$0.50	$3.25	3½ ft...	$1.35	$12.00
2 ft....	.65	4.85	4 ft...	1.75	14.25
2½ ft....	1.00	6.50	5 ft...	2.45	17.50
3 ft....	1.20	8.85			

STAKES—BAMBOO. Painted Green.

	100	1000		100	1000
1½ ft....	$1.35	$6.50	3 ft...	$1.95	$12.25
2 ft....	1.50	8.50	3½ ft...	2.35	14.25
2½ ft....	1.75	9.95	4 ft...	2.50	15.95

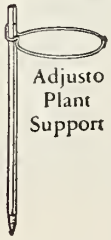
Bamboo not painted, 6ft.....3.25 27.50

STAKES—Galvanized Wire.

No. 9 Wire	Doz.	100	No. 8 Wire	Doz.	100
1½ ft....	$0.50	$2.25	3½ ft....	$0.85	$4.50
2 ft....	.60	2.50	6 ft....	1.35	6.75
2½ ft....	.70	3.00			

AMERICA'S LARGEST SELLING PLANT PROP

These require no tying, as the loop at the top can be slipped around the plant stem To determine the net height of each prop, deduct the following from the overall length: 4 inches from the 16-inch size, 6 ins. from all other sizes. This represents the depth to which the stake should be pushed into the ground. It looks better if the shortest practical height is used. Prices: 16 inches overall, doz., 60c; 30 inches overall, doz., $1.25; 42 in. overall, doz., $1.50; 66 in. overall, doz., $2.50; 78 in., doz., $3.70.



Adjusto Plant Support

Adjusto Plant Support

Has a unique self-locking adjustable feature causing the hoop to positively stay where put, yet it can be instantly adjusted to any height desired. The heavy green painted wood stake ⅜ inch square will stand firmly in the ground. The hoop is of 8 gauge galvanized wire, 13 inches in diameter, and may be opened up to put around large plants. 3 ft., doz., $3.50; 4 ft., doz., $4.25; 5 ft., doz., $4.65; extra wire hoops, doz., $1.95.

Ornamental Lawn Fans

Most popular and inexpensive. Are most substantially built in natural wood finish.

No. 106—Height, 72 in. Spread, 42 in. Price, each, $3.00.

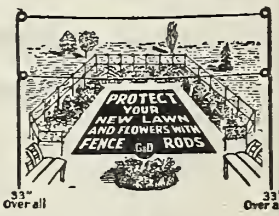
No. 108—Height, 96 in. Spread, 60 in. Price, each, $2.25.

METAL WICKET SHIELDS

Green enameled Wicket Shields protect shrubs, Flower Beds, new lawns, etc. Color matches green foliage, making the protective fence inconspicuous. No sharp prongs to tear and scratch fingers or clothing. Approximately 21" high x 13" wide (opening). In bundles of 12, $1.95 per dozen; carton of six dozen $9.95.

PROTECTION FENCE RODS

Stiff strong green enameled rod, supports one or two rows of wire, heavy twine or clothes line. Very handy for circling trees and ornamentals, to keep dogs at safe distance. Doz., $1.75.

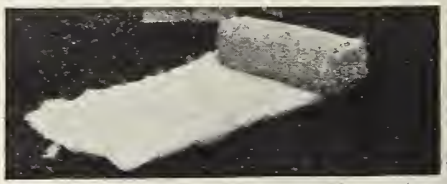


SHRUB-GARD

An invention that protects your shrubbery from the menace of destructive corrosive action caused by dogs. Makes the dog's visit so uncomfortable that he keeps away, yet it is so constructed that it will not harm the dog. The Shrub Gard is a unit of steel spring wires that are flexible and will not tear clothing of passersby. Each Shrub Gard has three prongs and covers approximately two and one half lineal feet. Harmless to dogs or humans. Packed one dozen to a carton. Weight 2½ lbs. Price per carton of dozen, $2.75; postpaid, $3.00.

SAXOLIN DUPLEX CRINKLED WATERPROOF TREE WRAP

For covering the trunks of transplanted and newly set fruit and shade trees. Helps your stock to get off to a healthy start. Rolls, 4 inches wide, about 155 ft, to a roll. Weight, about 2½ lbs. Each, 85c; postpaid, 85c; doz., $7.80.



Glass Wool Mulch. Protection and perfect mulch for your prized Plants and Shrubs; has been proved superior to all other mulches for the winter protection of plants. A snowy white blanket composed of extremely fine glass fibres, put up in bats; 24" x 96" in size and approximately 1½ inches thick at 1½ lbs. per cubic foot density. Price, per bat, $1.25; three for $3.30; carton of 12, $12.00.

WREN HOUSE No. 16

This time tested stepkut house is designed to meet the needs of birds, the steps help nestlings to reach the exit, bottom removable for cleaning. Price, stained brown, each, $2.00; white and green, each $2.50.

Blue Bird House No. 5 similar to the above, stained brown. $1.50.

MARTIN HOUSE No. X215

Twenty compartment house, two stories high, unpainted, $18.25. Painted two coats in white and green, $22.50.

No. X315. Twenty-eight compartment house, three stories high, unpainted, $22.50. Painted two coats white and green $26.25. Erection pole for mounting Martin House, $12.50; crating charge, $1.00 extra.

No. FS 21. Garden Craft Feeding Station

This is one of the most successful and appreciated bird feeders. It is equipped with a spindle for mounting, and the double weather vane keeps the sheltered end headed into the wind, thus keeping the food dry in rainy or snowy weather.

Size 24x12x12. Shipping weight 16 lbs.

Price stained brown	$ 7.75
Price stained with glass back	10.25
Erection Post bored for mounting rod	2.00

Shipped by express, charges collect

No. FS. 10. Garden Craft Bird Feeder

This cleverly constructed feeder will provide endless pleasure and satisfaction for bird lovers. You will be more than repaid for your generosity in providing food for your feathered friends during the early spring, late fall and winter, by their appreciation. Size 8x3x10 in. Shipping weight, 3 lbs. Price, $2.25; postpaid, $2.35.

Erection pole with arm.... ....$1.35; postpaid, $1.45.

Robin Roost No. 4

Robins will not occupy a nesting box, but insist on a covered sheltered shelf which allows them to see on at least three sides Stained brown—each, $2.25; 3 for $6.50.

New Improved Longfellow Feeder.

17½x3x3 in. Newest and best in this type feeder. Provided with "Easy Up" Brackets to quickly attach anywhere to window side or sill, storm sash or tree, or post, or hang with wire from a branch. Including Suet Cylinder. Price each $1.50, postpaid $1.75. Extra Refills 35c per cylinder; postpaid 45c; doz. cylinders for $4.00.

SCARE-AWAY

The Modern Scarecrow Frightens pests from garden, orchard and property Pleasant tinkle, movement in the breeze, and bright reflection keeps out most destructive birds and animals Interesting, decorative touch. Package of 10 Scare-Away strips 2 x 15 inch. Price each, 25c; postpaid, 30c.

AUTOMATIC BIRD FEEDERS

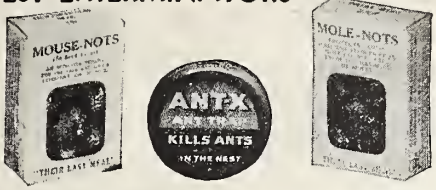
(Patented)

An economical feeder for all kinds of seeds, cracked corn or other small food.

If filled with sunflower seeds, it unfailingly attracts Cardinals, rose-breasted Grosbeaks, Finches and many other large as well as small pretty birds all year round.

Birds enjoy swinging with the feeder. Each, $2.75; postpaid, $2.85; 3 for $8.00.

PEST EXTERMINATORS



Ant-X-Trap. Deaths to Ants in the house or garden This safety type container carries a multi bait attractive to both the sweet and grease eating type ants This bait kills the ants in the nest. Price, 25c; six for $1.25.

Ant-X Jelly Bait. Kills quickly. This jelly controls sweet and grease eating ants. It will also kill ants in the nest. 1 oz., 35c; 4-oz. tube, $1.00; Industrial size, 5-lb. pail, $15.00.

Dog-Check. The ideal repellent as a means of checking doggie habits Safe and harmless to use New formula will permit spraying on new growth. Unaffected by rain, one spraying lasts from two to three weeks. 3-oz size, complete with sprayer, 60c; 8-oz. size, with sprayer, $1.00; 32-oz. size, $3.00, gallon, $11.50.

Rat-Nots. Safe way to exterminate rats. Prepared Bait, containing Squill. Can be used without fear of harming humans, dogs, live stock, etc. Trial size package of 9 Nots, 25c; Estate size, 50 Nots, $1.00.

Mouse-Nots. Impregnated seed; pregnated seed bait kills mice Trial size package, 9 Nots, 25c; Estate size, 50 Nots, $1.00.

Mole Nots. Life savers for lawns, bulb and seed beds. Trial size, 8 Nots, 35c; Estate size, 50 Nots, $1.00; Jumbo size, 125 Nots, $2.00; Gardener size, 400 Nots $5.00; Giant size, 1,000 Nots $10.00.

Roach-Nots. Semi-toxic insecticide in prepared bait form Very effective in controlling Roaches Trial size, 9 Nots, 25c; Estate size, 50 Nots $1.00.

Antu Rat Paste. Contains 5% Antu. Is mixed ready to apply on bait. 1 oz. tube, 35c; postpaid, 45c; 4 oz. tube, $1.00; postpaid, $1.10.

Rabbit Repellent

With safety to all including the rabbits. This 200 mesh fine snuff-like product is impregnated with rain resistant repelling "naturals" to make it last. 5 lb. package will treat 100 to 150 individual plants or 200 to 250 running feet of plant row Price 1 lb. pkg. 45c, 5 lb. bag $1.75.

Chaperone Powder Dog Repellent

A new household dog repellent for keeping dogs off rugs and furniture. Odorless to humans and does not stain, but is very repulsive to dogs. 1 oz. tin, 50c; large size, $1.00.

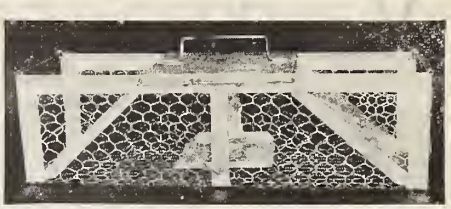
Chaperone Liquid Dog Repellent

For outdoor and garden use. Keeps dogs away longer from trees, shrubs and plants than most liquid repellents. 4 oz bottle, 50c; 12 oz. can, $1.00.

PUSSY SCAT

Powder repellent for household use keeps cats away from furniture, curtains, drapes, clothing, etc. Trial size can, 50c; large size can, $1.00, postpaid, $1.10.

HAVAHART ANIMAL TRAPS



No. 1—5x5x18 in. For weasles, rats and chipmunks, each, $3.50.

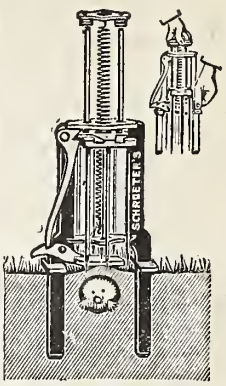
No. 2—7x7x24 in. For muskrats, mink, squirrels and rabbits, each, $4.50.

MOLE TRAP

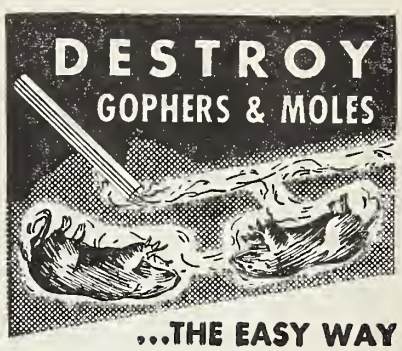
Improved with patented setting attachment. One of the best mole and gopher traps. Each, $3.25.

No. 200 REDDICK MOLE TRAP

Same type as Mole Trap illustrated. Self setting, Trigger sets automatically. Needle sharp tines. Sturdy construction. Each, $1.85; postpaid, $2.00.



Mole Trap

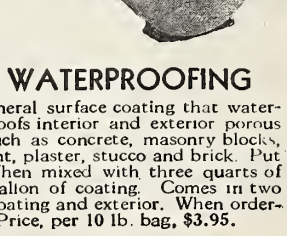


...THE EASY WAY

Novel effective destroyers; strike like a match and blitz out whole families of gophers, moles, rats, field mice, ants, etc., at one "shot." Safe, sure, efficient aids to hunters in "un-treeing" holed-up woodchucks, raccoons, etc. 3 for 30c; dozen, $1.00.

Miscellaneous

Decorative Watering Pot. Practical and handsome household aid for watering indoor plants. Also appropriate as container for floral bouquets and plants. Sturdily constructed of metal. Green, enameled with floral design 2 qt. size price each, $1.85, postpaid, $2.00.



AQUELLA WATERPROOFING

The scientific mineral surface coating that waterproofs and dampproofs interior and exterior porous masonry surfaces such as concrete, masonry blocks, cinder blocks, cement, plaster, stucco and brick. Put up in 10 lb bag. When mixed with three quarts of water makes one gallon of coating. Comes in two grades for interior coating and exterior. When ordering, specify grade. Price, per 10 lb. bag, $3.95.

IMPORTED RAFFIA

Add postage to your order if to go by mail.

The Raffia which we import is the finest grade to be obtained. Besides the natural shade, we have it in 12 different colors dark red, Irish-green, olive-green pea-green, navy-blue, seal-brown, orange, black, old gold, pink, purple, and bright red.

Raffia Fibre for Baskets, Etc. 5 lb. Lots

	Bunch	Lb	Per Lb
Natural, Best Grade, about 2 oz	.$0.20	$0.95	$0.90
Colored, about 1 oz.	.20	1.30	1.25

Vaughan's Fancy Grasses and Field Seeds

For Lawn Seed Mixtures, See Page 2. All Prices Prepaid, Except where Specifically Noted.
All Grasses and Field Seed Prices Are Subject to Change Without Notice.

Fancy Kentucky Blue Grass

POA PRATENSIS

Extra Heavy Sun-Cured Seed. 98% pure seed. Price, ½ lb., 75c; 1 lb., $1.40; 2 lbs., $2.80; 3 lbs., $4.15; 5 lbs., $6.85; 10 lbs., $13.50; 15 lbs., $20.15; 20 lbs., $26.75; 25 lbs., $33.25; 50 lbs., $65.00.

Fancy Seed, actual weight, 21 lbs. per bu. (Standard grade of re-cleaned blue grass.) Price, ½ lb., 65c; 1 lb., $1.20; 2 lbs., $1.40; 3 lbs., $3.55; 5 lbs., $5.85; 10 lbs., $11.50; 15 lbs., $17.15; 20 lbs., $22.75; 25 lbs., $28.25; 50 lbs., $55.00.

CANADA BLUE GRASS (Poa compressa)

Valuable on poor soils and clay. It does not make so dense a growth as the Kentucky Blue Grass, and color is not so pleasing. Used particularly for pastures. Sow 40 to 60 lbs. per acre for pasture; in Fall or Spring. Price, 1 lb., $1.00; 5 lbs., $4.85; 10 lbs., $9.50; 25 lbs., $23.25.

RED TOP GRASS (Agrostis alba)

Extra Fancy, recleaned solid seed. Price, ½ lb., 65c; 1 lb., $1.20; 2 lbs., $2.40; 3 lbs., $3.55; 5 lbs., $5.85; 10 lbs., $11.50; 15 lbs., $17.15; 20 lbs., $22.75; 25 lbs., $28.25; 50 lbs., $55.00.

WHITE CLOVER

Extra Fancy Seed. Price, ¼ lb., 40c; ½ lb., 75c; 1 lb., $1.40; 2 lbs., $2.80; 3 lbs., $4.15; 5 lbs., $6.75; 10 lbs., $13.25; 15 lbs., $19.50; 20 lbs., $25.40; 25 lbs., $30.75.

Rye Grasses

Use all rye grasses at the rate of 30 to 40 lbs. per acre for pastures and 5 to 7 lbs. per 1000 sq. ft. for lawns. Sow either fall or spring.

English or Perennial Rye Grass (Lolium perenne). A lawn grass where quick results are wanted. Price, 1 lb., 40c; 2 lbs., 80c; 3 lbs., $1.15; 5 lbs., $1.85; 10 lbs., $3.50; 15 lbs., $5.15; 20 lbs., $6.70; 25 lbs., $8.25; 50 lbs., $16.00; 100 lbs., $30.00.

Common Rye Grass. The Italian type of rye grass, grown in this country. An annual, generally lasting a second year. Develops rapidly. Used in the south for Winter lawn grass. Sow in October in the south, preferably Spring in the north. Price, 1 lb., 30c; 2 lbs., 60c; 3 lbs., 85c; 5 lbs., $1.35; 10 lbs., $2.50; 15 lbs., $3.65; 25 lbs., $5.75; 50 lbs., $10.00.

Fescues

CHEWING'S FESCUE. This grass is valuable on sandy soils and in shade. Chewing's Fescue is a perennial with a fine blade and a spreading root system. Sow either Spring or Fall (last week in August or the first week in September) at the rate of 5 lbs. to 1,000 sq. ft. Price, 1 lb., $1.00 2 lbs., $2.00; 3 lbs., $2.95; 5 lbs., $4.85; 10 lbs., $9.50; 15 lbs., $14.15; 20 lbs., $18.75; 25 lbs., $23.25; 50 lbs., $46.00;

CREEPING RED FESCUE. One of the best fescues obtainable, it spreads from the roots, making a dense turf which tends to crowd out weeds. Does well in shade and is good on sandy soil. Price, 1 lb., $1.05; 2 lbs., $2.10 3 lbs., $3.20; 5 lbs., $5.10; 10 lbs., $10.00; 15 lbs., $14.90; 20 lbs., $19.75; 25 lbs., $24.50; 50 lbs., $48.50.

Alta Fescue. This recent development has a very deep root system and is drought resistant. It stands up under traffic and though coarse is excellent for athletic fields, airports, roadsides, playgrounds and lawns where there is heavy traffic. 1 lb., 90c; 5 lbs., $4.35; 10 lbs., $8.50; 25 lbs., $20.00.

Poa trivialis (Rough Blue Grass)

A grass for moist, shady spots. ½ lb., 85c; 1 lb., $1.50; 2 lbs., $3.00; 3 lbs., $4.40; 5 lbs., $7.25; 10 lbs., $14.25; 15 lbs., $21.00; 20 lbs., $27.60; 25 lbs., $33.75; 50 lbs., $65.00.

HYBRID FIELD CORN

We offer State Certified Hybrids—

For many years breeders at the University of Wisconsin have been constantly at work developing and improving hybrids adapted to Northern Illinois, Wisconsin, Michigan, Iowa and Indiana.

Through arrangements with the University we are able to offer these proven hybrids varying in maturity from 85 to 120 days at the following prices:

Flat Kernels (Edge Drop). Peck, $2.75; ½ Bu., $5.00; Bu., $9.50.

Above Prices Freight Paid.

CERTIFIED CLINTON OATS

We offer certified seed, of this new high yielding variety, grown under careful field supervision and laboratory tests to insure a high degree of purity and germination.

1 bu., $2.25; 10 bu., for $20.00, freight collect. Bags included.

CERTIFIED RANGER ALFALFA

We are pleased to offer a limited quantity of this new Wilt Resistant variety that outlasts all other varieties of alfalfa.

1 lb., $1.50; 5 lbs., $7.00; postpaid. By Freight collect, 1 pk., $19.00; ½ bu., $37.00; 1 bu., $72.00

CLOVERS AND ALFALFA

(Northern Grown)

Medium Red. (Purity 99.00 or better). Sow at the rate of 8-12 lbs. per acre. Price, 1 lb., $1.00; 5 lbs., $4.75—Postpaid. By Freight collect, 1 pk., $11.00; ½ bu., $20.00; 1 bu., $39.00; 100 lbs., $65.00. Bags included.

Alsike Clover. (Fancy). Sow at the rate of 5 to 6 lbs. per acre. Price, 1 lb., 75c; 5 lbs., $3.50—Postpaid. By Freight collect, 1pk., $8.00; ½ bu., $14.00; 1 bu., $27.00; 100 lbs., $45.00. Bags included.

Alfalfa Seed. (Northern Grown). 1 lb., $1.00; 5 lbs., $4.75—Postpaid. By Freight collect, 1 pk., $11.50; ½ bu., $22.00; 1 bu., $42.00; 100 lbs., $70.00. Bags included. Sow 12 to 15 lbs., per acre.

Write for Complete Price List of Field Seeds or let us know your requirements and we will be glad to quote special quantity prices. Purity and Germ tests made in our own laboratories.

Miscellaneous

Awnless Brome Grass (Bromus inermis). Lincoln type, very strong, quick growth making two crops of very abundant pasture. Has proven very valuable for pasture when sown with alfalfa. Good in very sandy soils because of its strong spreading root system. Not a lawn grass. Sow in the Spring, 2 bushels per acre (14 lbs. per bushel). 1 lb., 70c; 3 lbs., $2.00; 5 lbs., $3.25. Postpaid. By Freight collect, 10 lbs., $5.50; 25 lbs., $13.00; 50 lbs., $23.00; 100 lbs., $45.00.

Timothy (Phleum pratense). Most popular of all hay grasses. Vaughan's Fancy seed (99.5% pure or better). Price, 1 lb., 45c; 2 lbs., 90c; 3 lbs., $1.30; 5 lbs., $2.00—Postpaid. By Freight collect, ½ bu., $6.00; 1 bu., $11.25; (45 lbs.); 100 lbs., $25.00. Grain bags included.

Reed Canary Grass. A fine perennial for hay or pasture on low marshy land. Use 5 to 8 lbs. per acre broadcast, and 3 to 5 lbs. with drill. Sow early in Spring or August, September. Lb., 80c; 3 lbs., $2.40; 5 lbs., $3.75—Postpaid. By Freight collect, 10 lbs., $6.70; 25 lbs., $15.75; 50 lbs., $30.50; 100 lbs., $60.00.

Sudan Grass. Sow 35 lbs. per acre. Makes an excellent emergency hay crop. Can be sown any time from May 20th, to June 20th. It withstands long periods of drought. Lb., 35c; 5 lbs., $1.50—Postpaid. By Freight collect, 10 lbs., $2.50; 25 lbs., $6.00; 50 lbs., $11.00; 100 lbs., $20.00; sacks included.

Dwarf Essex Rape. Makes a quick pasture and is very valuable feed. Ideal for sheep, hogs and cattle. Sow in early spring. 5 to 10 lbs., per acre, or with spring grain, 2 lbs. per acre. 1 lb., 35c; 3 lbs., $1.05; 5 lbs., $1.70—Postpaid. By Freight collect, 10 lbs., $3.30; 25 lbs., $6.25; 50 lbs., $10.75; 100 lbs., $20.00.

Winter Vetch. A very valuable leguminous plant, especially for lighter soils. Can be sown spring or fall. Sow 15 to 20 lbs. of Vetch and ½ bushel grain, per acre. Makes splendid hay. Lb., 50c; 3 lbs., $1.50; 5 lbs., $2.25—Postpaid. By Freight collect, 10 lbs., $4.50; 25 lbs., $10.50; 50 lbs., $19.50; 100 lbs., $37.00.

BIRD SEED

RAPE. Large—sweet (not bitter like the small black). 1 lb., 45c; 5 lbs., $1.95; 10 lbs., $3.65; 25 lbs., $7.75.

SUNFLOWER. 1 lb., 50c; 5 lbs., $2.20; 10 lbs., $4.15; 25 lbs., $8.95.

CANARY SEED. 1 lb., 40c; 5 lbs., $1.70; 10 lbs., $3.15; 25 lbs., $6.95.

VAUGHAN'S CANARY MIXTURE. 1 lb., 40c; 5 lbs., $1.70; 10 lbs., $3.15; 25 lbs., $6.95.

FINCH SEED. 1 lb., 35c; 5 lbs., $1.40; 10 lbs., $2.60.

PARRAKEET SEED. 1 lb., 40c; 5 lbs., $1.70; 10 lbs., $3.15; 25 lbs., $6.95.

VAUGHAN'S WILD BIRD FEEDING MIXTURE. (as recommended by the Illinois Audubon Society). 1 lb., 30c; 2 lbs., 50c; 5 lbs., $1.00; 10 lbs., $1.80; 25 lbs., $4.10; 100 lbs., $14.00.

All Prices Prepaid.

Let us help you solve your lawn and golf grass problems. Advice gladly given on handling fertilizer problems, and combating insect and disease attacks.

Vaughan's Irises

PLANTS BY PARCEL POST—If to be sent by parcel post, add postage as follows: Single plants, 5c; 3 plants, 10c; 6 plants, 15c; 12 plants, 25c. We accept no responsibility for delays or conditions that may prove injurious to the contents.

"S" refers to the three standard, or upright curling petals; "F" to falls or drooping petals.

Iris is the most effective if planted 3 of a kind in a clump.

OUTSTANDING VARIETIES

Copper Lustre. 36 in. Its flowers are of huge size and its color a blend of glowing copper and gold, 50c; 3 for $1.25.

Crystal Beauty. 40 in. Large, perfectly shaped flowers of pure snow white on well branched stalks. 40c; 3 for $1.00.

Depute Nomblot. 50 in. A magnificent Iris. S. coppery-red, flushed golden bronze; F. rich claret crimson. 40c; 3 for $1.00.

Elmohr (The Colossal New Iris). 36 in. Huge reddish-mulberry with a pinkish glow. $1.25; 3 for $3.00.

Golden Treasure. 38 in. An exquisite ere amy yellow Iris with a glowing golden heart. Huge flowers. 50c; 3 for $1.25.

Great Lakes. 48 in. An exquisite pure blue, the shade of an unclouded sky reflected in crystal waters. Crisp petal texture; widely flaring falls. $1.00.

Indian Chief. 48 in. S. pinkish red: F. glowing velvety red. A prolific bloomer. 40c; 3 for $1.00.

Los Angeles. 40 in. Giant, snowy-white flowers of satin texture; the standards faintly edged lavender blue. 40c; 3 for $1.00.

Ming Yellow. 50 in. Gigantic blooms of smooth, rich deep yellow. 75c; 3 for $2.00.

Missouri. 36 in. Large flowers of clear vivid blue, falls slightly darker. 50c; 3 for $1.25.

Naranja. 40 in. A large flowered yellow with a distinct orangy overcast on the falls. Decidedly different. 40c; 3 for $1.00.

Prairie Sunset. 37 in. A gorgeous blend of glowing peach, apricot, rose, copper and gold. $1.50.

Sensation. 38 in. Corn-flower blue flowers of perfect form and heavy substance. 40c; 3 for $1.00.

Sierra Blue. 48 in. Enormous flowers of soft clear enamel-like blue. 40c; 3 for $1.00.

Spring Cloud. 42 in. S. white, heavily dotted and edged blue; F. white faintly marked blue. 40c.

Wabash. 39 in. S. snowy white, delightfully ruffled at the edges; F. deep hyacinth violet with a definite white edge. 75c; 3 for $2.00.

Ten Iris Aristocrats $3.00

Catalogue Value $4.90 (Postage 15c Additional)

These are among the finest Irises in cultivation. Each is rated close to perfection and not long ago not one could have been purchased for the price of the collection. Your Iris display is lacking if you have not these varieties; and our low prices make it possible to own them for less than the cost of ordinary plants.

California Gold. 36 in. A super novelty with magnificent, large flowers of dazzling, deep golden yellow which does not fade. 40c; 3 for $1.00.

City of Lincoln. 40 in. A magnificent bi-color that is a "standout" in the garden. The dome-shaped standards of clear vivid yellow make a striking contrast with the golden edged, rich velvety red of its flaring falls. 60c; 3 for $1.50.

E. B. Williamson. 36 in. An excellent Iris of rich, glowing coppery-red, almost a self, with a silky, lustrous finish. One of the finest of all Irises. 50c.

Gudrun. 36 in. Enormous, well shaped flowers of lovely pure white, dusted with soft gold at the throat. 40c; 3 for $1.00.

Junaluska. 40 in. One of the most beautiful Iris in existence. S. rosy copper threaded with gold; F. brilliant copper-red. Huge flowers of perfect form and heavy substance. 40c; 3 for $1.00.

Indian Hills. 37 in. A stunning Iris of clear rich wine purple. Its large blooms are of good substance and fine, oval form. They have great carrying power and make a glorious mass of color in the garden. 40c; 3 for $1.00.

Midwest Gem. 36 in. Very fragrant, unusual and beautiful with its large ruffled flowers of luminous apricot, flushed pink, on strong branching stalks. 60c; 3 for $1.50.

Ormohr. 40 in. The flowers are of gigantic size, the standards beautifully domed, the falls semi-flaring; substance excellent. The color is a soft gray-lavender veined violet with a rosy glow over all. 60c; 3 for $1.50.

Royal Coach. 36 in. S. chamois yellow, overlaid pink with faint cinnamon dotting; F. semi-flaring, bright yellow, beautifully bordered and dotted brown. 50c; 3 for $1.25.

Vagabond Prince. 36 in. Glossy deep black-purple self on well branched stalk. 50c; 3 for $1.25.

Ask for our "Complete List of Iris", ready in June. Complete list of Peonies will be found in our Fall Bulb Catalog, ready about Sept. 1st.

IRIS KAEMPFERI

Price, each 75c; 3 of one kind for $2.00.

Azure. Immense mauve-blue with darker halo surrounding yellow center. Double.

Gold Bound. Double. White with gold-banded center. Early.

Purple and Gold. An enormous double of rich violet-purple with gold center.

Special Offer No. 89A. One each of above 3 named Kaempferi Irises (value $2.25) for $1.85. (Postage 15c additional).

Peonies

Edulis Superba. (7.6) The large flowers of beautiful deep pink are usually in bloom for Decoration Day. Very fragrant. $1.00.

Felix Crousse. (8.4) Its large, globular flowers, are a brilliant, dazzling ruby-red. Late midseason. $1.00.

Mad. de Verneville. (7.9) Very full and double, pure white, center tinted blush. Exquisite rose fragrance. Very beautiful reliable bloomer; early. $1.00.

Special Offer No. 89B. One each of the above 3 Peonies (value $3.00) for $2.50; postage 15c additional.

Festiva Maxima. (9.3) Large flowers, often 7 to 8 inches in diameter. Flowers pure white, dotted carmine. Fragrant; early, $1.00.

Georgiana Shaylor. (8.9) Large flat, pale rose-pink with a few flecks of crimson. Strong grower and midseason bloomer. $1.00.

Gold Mine. (8.2) (Oriental Peony). Cup-shaped flowers of dark rose-pink with deep golden center. Profuse bloomer. $1.00.

Grover Cleveland. (8.2) Large, compact flowers of rich bright crimson on stiff stems; foliage excellent. A desirable late midseason red. $1.00.

Jubilee. (8.9) Extremely large, flat flowers of ivory-white; petals long and narrow, giving a feathery effect. Early. $1.00.

Karl Rosefield. (8.8) Huge ball-like flowers of rich velvety-crimson. Extra fine; early midseason. $1.25.

Reine Hortense. (8.7) Very large flowers of beautiful uniform light pink. A prize winner at the shows. Midseason. $1.25.

Therese. (9.8) A wonderful peony with perfect habits and immense blooms of pale translucent old-rose-pink. Early midseason. $2.00.

We are members of the American Association of Nurserymen and will accept A. A. N. Gift Certificates in payment for trees, shrubs and evergreens offered in this catalogue.

Small Fruits

All Prices F.O.B. Western Springs, Ill. (If wanted by mail, add 10c per 10, 15c per 25, or 25c per 50 for postage and packing).

BOYSENBERRY (Thornless). Sensational new fruit. Huge berries of rich purplish maroon. Very sweet; delicious flavor; few seeds. Price No. 1 transplants, 3 for $1.25; 10 for $2.75; 25 for $6.00.

RASPBERRIES—Price, except where noted, 3 for $1.00; 10 for $2.25; 25 for $4.75; 50 for $8.00.

Cumberland (Black). Extra large, oval, rich and juicy. Good quality; very productive.

Indian Summer—The Best Everbearing Red Raspberry. Large berries of high quality ripen early and then produce a second crop in Sept. and Oct. Price, 3 for $1.25; 10 for $2.50; 25 for $5.00.

Latham (Red). Berries are immense, dark red in color and well flavored. Extremely hardy.

GRAPES—Price, except where noted, 2 yr. No. 1 each, 75c; 3 of one kind for $1.75; 10 for $5.00.

Caco (Red). The most beautiful of the hardy grapes. Bunches large and compact, fruit sweet and palatable weeks before fully ripe.

Concord (Black). The most popular grape in America. Large, handsome bunches of large, luscious berries; juicy, sweet and tender. Very productive.

Fredonia (Black). The earliest good black grape, ripening about three weeks before most varieties. Clusters medium; berries large, of very good quality.

Portland (White). This is the earliest of all grapes. Large in bunch and berry; flesh sweet, juicy and of fine color. Hardy, vigorous, productive.

Special Offer No. 89D. One each of grapes Caco, Concord, Fredonia and Portland 2 yr. (value $3.00) for $1.95. (Postage and packing, 15c additional).

Concord Seedless (Black). An almost seedless variety of Concord. 2 yr. No. 1, $1.50; 3 for $4.00.

DWARF FRUIT TREES

These dwarf trees have low broad heads so that fruit can easily be picked and they take up little room in the garden or on the lawn. They usually bear good crops within 3 or 4 years and the fruit is of extra high quality. Plant 8 feet apart, and each spring trim off one-third to one-half of the previous season's growth.

Dwarf Apples. Delicious or Early McIntosh, 2 yr., 3 to 4 ft., $3.50; 3 for $9.75.

Dwarf Pears. Bartlett, or Seckel, 2 yr., 3 to 4 ft., $3.50; 3 for $9.75.

QUINTUPLET APPLE TREE
5 Kinds of Apples on One Tree

This is the ideal tree for the small yard, 5 different varieties of apples are grafted on the main stock of one tree, which will give you good apples for summer, fall, and winter. 2-year trees, 4 to 5 ft., 9/16 in. caliper $3.95 each.

New Hardy Everblooming Hybrid Tea Roses

PEACE

The Most Beautiful Rose in the World To-Day
AARS 1946 (Patent 591)

Peace was the only All-America Rose Selection for 1946 and its final average score was the highest received by any rose since the official trials started. It is a beautiful creation, distinguished by the changing colors through which it passes—canary yellow, pale gold, cream, ivory and alabaster—white, cerise, rose and apple-blossom pink. Huge yellow buds, edged with cerise, open to great peony-like blooms, often 5 to 6 inches in diameter, which change to creamy yellow with a delicate flush of pink, deepening as the flower slowly opens. Blooms are produced singly all season on strong and straight stems; they last an unbelievably long time and they will bring an ethereal beauty to your garden all summer long. The plant is as superior as the bloom, hardy and vigorous, with shining holly-like foliage. Mild fragrance. Each, $2.00; 3 for $5.50; 12 for $20.00.

The Hybrid Tea Roses bear their glorious blooms profusely from June until late fall. In severe winter climates they need proper winter protection.

Price of the following two varieties:
Dormant Roses, $2.50; 3 of one kind for $6.75.

Forty-Niner. AARS 1949 (Pat. 792). A brilliant bi-color. Its colors do not fade, but hold until the last petal drops. Its long, pointed buds open into well-shaped flowers of 30 to 40 petals, rich yellow outside and dazzling red inside. Mild, pleasant fragrance.

Tallyho. AARS 1949 (Pat. App. For). Another bi-color of a new and unusual blend. Inside its petals are a beautiful shade of pink, and the reverse a rich crimson. Long tight buds open into lovely full blooms, long lasting when cut. Rich, spicy fragrance. It is a vigorous grower, has disease-resistant foliage, and constant bloomer.

Price of the following three varieties: Dormant Roses, $2.00; 3 of one kind for $5.50.

Diamond Jubilee. AARS 1948 (Pat. App. For). Ovid buds, on long heavy stems, open slowly to high centered, fully double blooms, often 5 to 6 inches across. The heavy textured petals are a warm glowing buff-orange color which does not fade or burn. Delightful old Rose fragrance.

Nocturne. AARS 1948. (Pat. 713). Perfect, long pointed buds open to large cupped blooms of cardinal-red with shadings of Chrysanthemum-crimson. Abundant, continuous bloomer. Moderate fragrance.

San Fernando. AARS 1948. (Pat. 785). Large, long pointed buds, borne singly, open to high centered, fully double flowers of brilliant vermilion-scarlet. Its intense and lasting, old rose fragrance is something to remember.

AARS. These are Roses selected by the Rose Council after two-year tests in 18 Official All-America Rose Selections Test Gardens. Only a Rose that is almost perfect and gives A-1 results in all par s of the country can pass their rigid tests. When you get an AARS variety you get the best.

Price of the following eleven varieties:
Dormant Roses, $1.50; 3 of one kind for $4.25

Charlotte Armstrong. AARS 1941. (Pat. 455). An amazingly beautiful Rose with long, slender, blood-red buds open into magnificent, brilliantly colored flowers, spectrum-red in cool weather, cerise in hot weather. Blooms are on long stems and are very lasting when cut; plants are strong and vigorous with good foliage.

Crimson Glory. (Patent No. 105). We consider this the finest of the new red Garden Roses. It gives a quantity of fine blooms all summer and fall. Its large, urn-shaped buds open to deliciously fragrant flowers of intense, deep vivid crimson shaded ox-blood red and mellowed by a soft velvety nap. Vigorous growth.

Fred Edmunds. AARS 1944. (Pat. 731). A spectacular Rose, so rich in color you can hardly believe your eyes. The long, pointed buds of burnt orange, on long stems, open to beautiful flowers of clear soarkling orange.

Grand Duchesse Charlotte. AARS 1943. (Pat. 774). The long streamlined buds of magnificent Morocco-red open to firm-petaled blooms of dusky coral-red which do not fade but gradually merge to a lovely coral-pink; carnation fragrance.

Heart's Desire. AARS 1942. (Patent 501). This is the No. 1 Rose of the 1942 "All-America Rose Selections," and what a Rose, for it really has everything that your heart could desire. A pure luminous red color, very sweet fragrance, long stems for cutting, vigorous growth and good foliage.

Horace McFarland. AARS 1945. (Pat. 730). The buds are extra long and pointed, deep apricot, excellent for cutting. They open to fully double flowers of deep apricot-pink blended with salmon-buff and coral pink. Spicy fragrance. Does best in semi-shade.

Lowell Thomas. AARS 1944. (Pat. 595). Large, beautiful buds open into perfectly formed, high centered, lasting flowers of rich, golden yellow. Vigorous bushy plants.

Mary Margaret McBride. AARS 1943. (Pat. 537). This deliciously fragrant rose has long-pointed buds that slowly unfold into large, full double, high centered blooms of lovely coral-pink with a gold base. Excellent for cutting and exhibition.

Mme. H. Guillot. (Pat. 337). One of the most beautiful and best Roses we grow. The vivid, orange red buds, open to immense, camellia-like flowers of rich raspberry pink with a gold suffusion, rich fragrance. Luxuriant, glossy foliage.

Rose of Freedom. (Pat. No. 791). Large ovoid buds open to 60-petaled, long-stemmed, currant-red roses with true rose fragrance. Blooms freely on vigorous bushes with dark green, disease resistant foliage.

Rubaiyat. AARS 1947. (Pat. Rights Reserved). Tall plants, luxuriant in growth, produce an abundance of long pointed buds which slowly open into very large blooms of a glorious cerise-red to crimson. Delicious Old Rose fragrance.

Four Great Roses. One each of Eclipse, Grand Duchess Charlotte, Heart's Desire and Mme. H. Guillot (value $5.85) for $5.25.

Price of the following three varieties:
Dormant Roses, $1.35; 3 of one kind for $3.75.

California. AARS 1940. (Pat. 443). "The Rose of Roses in shades of gold." Its unusual coloring, ruddy orange toned with saffron yellow, has a dual tone effect of indescribable richness and beauty. Buds long and pointed, flowers of enormous size, often five inches in diameter. Growth vigorous, healthy foliage; fragrant.

Eclipse. (Patent No. 172). Introduced in 1936, this Rose is internationally famous and is of sensationally new form. Long, streamlined buds of clear, bright yellow, freely produced. Semi-double blooms, lasting well. A fine garden Rose.

Will Rogers. (Patent No. 256). This Rose is one of the finest of velvety reds. In color it is a black crimson-maroon and holds well. Very vigorous and has a really intense old rose fragrance. It bears qauntities of flowers throughout the sseson. Does best in semi-shade.

We would suggest that you order early, as demand for most varieties of Roses is still great. Supply seems ample, but if you order late, kindly state second choice or advise whether we may substitute.

All Roses listed are dormant, Northern grown 2 yr. No 1 grade and should be planted early.

All Roses are shipped via express from Western Springs, Ill., or may be shipped via parcel post if postage is sent. Allow 1 lb. for each plant. See order blank for postage rates. (No Roses are shipped c.o.d.).

TWO EXTRA HARDY ROSES

Mabelle Stearns. (Pat. 297). Perpetual Flowering Dooryard Rose. A Rosa Setigera Hybrid that is very hardy. The plants grow 2 feet high and will spread 6 to 8 feet or more if permitted. The full double, fragrant flowers of peachblossom-pink are produced in panicles from June until frost, and are excellent for cutting. $1.50; 3 for $4.25.

Shades of Autumn. (Pat. 542). (Sub-zero Hybrid Tea). Brilliant new bicolor with orange-copper and carmine shadings. Fragrant flowers produced continuously all season. $1.75; 3 for $5.00.

CHOICE EVERBLOOMING HYBRID TEA ROSES

Dormant Roses, $1.25; 3 of one kind for $3.45.

Betty Uprichard. "If I had room for only one Rose in my garden, it would be Betty Uprichard"—such is the enthusiasm of one great Rose lover for this vigorous, very fragrant Rose. Pointed copper-red buds, opening, reveal petals of soft salmon-pink which, in full bloom, contrast prettily with a reverse of orange-carmine.

Christopher Stone. Produces quantities of brilliant, velvety scarlet blooms all season. Delicious fragrance.

Condesa de Sastago. A spectacular Rose with cupped flowers of orange-scarlet on the inside, yellow on the reverse. Exceptionally strong grower; alluring raspberry fragrance; free flowering.

Dainty Bess. We consider these exquisite flowers of delicate rose-pink, with contrasting center of wine-red stamens, the finest of all the single Roses. The flowers are 3 to 4 inches across and come continuously in clusters.

Duquesa de Penaranda. This glorious Rose produces two distinct types of flowers. In summer the splendid blooms are of a coppery apricot color; in autumn a luscious cinnamon-peach color.

Editor McFarland. Perfectly formed lasting, brilliant rose-pink flowers, excellent for cutting. Vigorous grower, healthy foliage; abundant fragrant bloom.

Etoile de Hollande. A brilliant dark red Rose of magnificent size and perfect form. Flowers deliciously fragrant.

Frau Karl Druschki. (White American Beauty). (Hybrid Perpetual). Pure white, long, immense buds; double flowers. Blooms all the time.

Girona. Here is one of the most fragrant Roses in existence and one of the best of all garden Roses for cutting. Very strong growing, with good foliage, and superb blooms of a beautiful red and yellow combination.

Golden Dawn. Noted for its quantity of bloom and considered the finest light yellow garden Rose. Buds lemon yellow, splashed with carmine, open to great big fragrant blooms of pale straw yellow. Bushy, vigorous.

Gruss an Teplitz. Rich scarlet shading to crimson, very fragrant. A vigorous grower and in bloom all the time. One of the best outdoor bedding varieties. Very hardy.

Joanna Hill. One of our most popular Roses and the best of its color. Rich cream and ivory with a yellow-orange heart. A long-lasting cut flower of fine form.

Kaiserin Auguste Viktoria. Creamy buds developing slowly to snowy white blooms of perfect form.

McGredy's Ivory. "The perfect white rose." Its long pointed, perfectly shaped, ivory-white buds open into magnificent blooms of breath-taking loveliness. The plants are vigorous, have good foliage and produce quantities of long-lasting, moderately fragrant, perfect roses.

DeLuxe Rose Collection. One each of Duquesa de Peneranda, Etoile de Hollande, President Macia, Sister Therese and Snowbird (value $6.25) for $5.25.

Hardy Hybrid Tea and Climbing Roses

CHOICE EVERBLOOMING HYBRID TEA ROSES—Continued

Dormant Roses, $1.25; 3 of one kind for $3.45.

McGredy's Scarlet. A Rose with the McGredy name is always a top-notcher and this one is no exception. Its perfectly formed flowers of vivid rose-red come on long stems and are excellent for cutting.

McGredy's Yellow. Beautifully formed buds of pure, light butter-cup yellow; open flowers cup-shaped.

Mme. Butterfly. This Rose should be in every collection, large or small. Time has proved its dependability and endeared it to the hearts of all. Light pink petals with deep shadings of apricot and gold at its heart and petal lips of ivory white.

Mme. Jules Bouche. Long, pointed shapely buds, excellent for cutting, opening into superb white flowers, slightly shaded at times with blush pink; fragrant. Plant exceptionally strong and continuously in bloom.

Mrs. Charles Bell (Shell-Pink Radiance). An exquisite shade of salmon-shell-pink that is not found in any other Rose. Has delicious fragrance and all the excellent qualities of Radiance.

Mrs. Erskine Pembroke Thom. An unfading yellow with dark, healthy foliage. Slender buds open to perfectly shaped flowers of canary yellow.

Mrs. Pierre S. DuPont. One of the most continuously blooming Roses grown. Long pointed, reddish gold buds opening into exquisitely formed flowers of dark golden yellow. Compact bushes with glossy foliage.

Picture. This is one of the loveliest of all pink Roses, every flower being a perfect picture in color and form. The nicely formed buds open into medium-sized flowers of velvety rose-pink with a warm salmon undertone. A splendid cutting Rose that produces quantities of fragrant bloom.

Poinsettia. Here is the Rose that will be the sensation of your garden for it is the most dazzling red Rose we have ever seen. The buds are ideal in form, long and pointed, and open into large, semi-double, beautiful Poinsettia-scarlet blooms, with large well-shaped petals. The plants are good and the blooms are produced profusely during the whole season.

President Herbert Hoover. Its deep copper-red buds open slowly to a wonderful blend which can only be described as multi-colored, with a dominance of cerise-pink and rich cream veined with scarlet. Superb buds; large flowers, lasting well; long stems.

President Macia. A superb variety that really performs. Extra long, pointed buds of rich carmine-pink, opening into great big blooms, often 5 inches across, of soft flesh-pink, brightened by a yellow flush at the base.

Radiance. Large, full, deliciously fragrant blooms of brilliant rosy carmine, shaded with pink. Constant bloomer and excellent keeper in hot weather. Easy to grow and one of the most popular Roses in America.

Red Radiance. Flowers clear cerise-red. Size, foliage, growth and habit same as in the parent Radiance. Hardy; strong grower.

Sister Therese. One of the most dependable of the yellow Roses. The long pointed buds, streaked with a rich carmine, are perfectly shaped. The full blooms are a beautiful clear chrome yellow and are borne on the plants in candelabras; sweetbrier fragrance.

Snowbird. The long, pointed buds open into full double, high centered, very fragrant snow-white blooms. Leathery foliage; compact bushy growth; profuse bloom.

Talisman. A remarkable blending of gold, apricot, yellow, deep pink, and old rose. The rose of many Gold Medals and one of the most popular of all roses for cutting.

The Doctor. The most glorious pink Rose we have ever seen. The buds are long and pointed and expand to simply enormous blooms of beautiful, glowing rosy pink. Intensely fragrant; excellent for cut ing.

A Good Growing Tip

As soon as dormant Roses are properly pruned and planted, hill them up with 3 or 4 inches of moist soil. This keeps the wind from drying the plants and helps them to leaf out more quickly. Remove soil gradually as plants begin growing.

TWO NEW POLYANTHA ROSES

Crimson Rosette. (Pat. pending). Huge clusters of buds cover the branches and open slowly to medium-sized, fifty-petaled flowers of vivid crimson. They last for days when cut. The plants are extra strong in growth with good foliage and one crop of flowers is followed by another, giving a continuous display. $1.50; 3 for $4.25.

Pink Rosette. (Pat. pending). Like Crimson Rosette, but with pure peach pink flowers of great beauty and Colonial charm. $1.50; 3 for $4.25.

POLYANTHA ROSE PINK ROSETTE

POLYANTHA ROSES

These Roses are everblooming, hardy and have large flower clusters, like the Floribundas, but the individual flowers are smaller and the plants are more dwarf. Fine for edgings. **Dormant Roses, $1.25; 3 of one kind, $3.45.**

Gloria Mundi. Full double flowers of most brilliant orange scarlet. Continuous blooming, giving a rich colorful effect.

Triomphe Orleanais. Brilliant cherry-red, lasting in color; blooms profusely in trusses; bright green foliage.

Margo Koster. Very dwarf bushy plants with clusters of unusual globe-shaped flowers of vivid orange, flushed coral-pink.

Dust or Spray Regularly with "Protexall" (see page 8) and you will have few, if any, rose troubles

FLORIBUNDA ROSES

These Roses are among the hardiest and most continuous blooming hybrids offered, giving a spectacular and permanent display from June until frost. Their flowers are borne in clusters.

Dagmar Spath (White Lafayette). Large trusses of pure white semi-double flowers, produced freely all summer. Excellent for cutting. $1.25.

Else Poulsen. Semi-double, lasting bright rose-pink flowers of medium size in clusters on bushy, erect growing plants. Very showy. $1.25; 3 for $3.45.

Floradora. AARS 1945 Spectacular profuse-blooming new Floribunda of bright Cinnabar with shades of scarlet and geranium red. $1.35; 3 for $3.75.

Goldilocks. (Pat. 672). Very double, bright golden yellow flowers, in heavy clusters, always in bloom. Wild rose fragrance. $1.50; 3 for $4.25.

Improved LaFayette. An unusually prolific large flowering variety; very showy and fine for mass plantings. Buds deep crimson, opening cerise-red. $1.25.

Nigger Boy. Here is a rose that has everything. It is continuously in bloom, and produces quantities of beautiful, dark crimson flowers, perfect in shape, that look like a miniature Crimson Glory. $1.35; 3 for $3.75.

Pink Gruss an Aachen. Large, very double, deep salmon-pink blooms like a hybrid tea rose. Ideal for bedding; produces a constant mass of bloom. $1.25.

Pink Bountiful. (Pat. 601). Glistening pink flowers, often 3 inch across, put on a wonderful show in the garden all summer. $1.35; 3 for $3.75.

Pinocchio. (Pat. 484) Delightful flowers of a changeable two-tone pink color. $1.35.

Rose Elfe. Unusually beautiful, silvery rose-pink flowers of Gardenia-like form. They are very double, about 2½ inches across, and are produced freely all summer. $1.25; 3 for $3.45.

World's Fair. (Patent No. 362.) Large clusters of velvety, black-scarlet flowers, nearly 4 inches across, with 18 to 20 petals. Blooms continuously; fragrant. $1.35; 3 for $3.75.

Special Offer No. 91A. One each of Dagmar Spath Improved LaFayette and Rosenelfe, 3 dormant plants. (Value, $3.75) for $3.25.

Rose Harrison's Yellow 4 to 5 ft. This is the rose of olden times. Its semi-double, deep golden yellow flowers make a spectacular show in the garden in June. 2 yr., $1.25; 3 for $3.45.

CLIMBING ROSES

Attention is invited to the many types of climbing Roses in our list. New varieties are creating greater interest in climbers. Many varieties are quite hardy but we advise winter protection.

Price of the following varieties except where noted.

Dormant, $1.25; 3 of one kind for $3.45.

Bonfire. Best red rambler. Many heavy trusses of small double dazzling scarlet flowers in large clusters of 20 to 25 blooms.

City of York. Heavy bloomer of lovely, long lasting, cupped, 3-inch semi-double flowers of creamy-white. Hardy; strong grower; elegant disease free foliage. $1.50.

Climbing American Beauty. A free-climber. Rosy crimson flowers, 3 to 4 inches across, produced freely in June and occasionally throughout the season.

Mary Wallace. Well formed, semi-double flowers of a bright clear rose-pink with salmon base. Flowers, generally 4 inches in diameter.

Paul's Scarlet Climber. A most Important addition to the Climbing Roses; none can compare with it for brilliancy of color, which is a vivid scarlet. A strong climber.

Primrose. A pure yellow, hardy climbing Rose. Its large, double flowers are a soft, rich primrose yellow, and are borne in clusters of 4 and 5 on an extremely vigorous plant.

Silver Moon. Beautiful, fragrant, semi-double flowers four and a half inches and over in diameter. Creamy white petals.

NEW PATENTED CLIMBING ROSES

Blaze. (Plant Patent No. 10). A marvelous, scarlet-red Rose, combining the bloom and growth of Paul's Scarlet Climber with everblooming character. Blooms are double, often 4 inches in diameter. Gives a fine display in June and then blooms again in the fall. $1.50; 3 for $4.25.

Climbing Break O'Day. (Prop. rights reserved). Vigorous everblooming climber, with large, very double flowers of orange-apricot with lighter tints. $2.00.

Climbing Crimson Glory. (Pat. 736). Climbing form of the outstanding bush everblooming variety, producing an abundance of perfectly formed crimson colored blooms. $2.50; 3 for $6.75.

Dr. J. H. Nicolas. (Pat. 457). Everblooming deep rose-pink. Magnificent, very double, deeply fragrant blooms like the Hybrids Teas. $1.50; 3 for $4.25.

Doubloons. (Pat. 152). A hybrid of Rosa Setigera, very hardy. Clusters of very large, cup-formed, saffron yellow blooms, opening one after the other, over a long period. Long heavy canes. $1.50; 3 for $4.25.

Orange Everglow. (Pat. 505). New hardy, everblooming climber featuring beauty, fragrance and vigor. Color dazzling coppery orange. $2.00.

The New Dawn (The Hardy Everblooming Dr. Van Fleet). Patent No. 1. The first patented Rose and the first everblooming climbing Rose. A sport from Dr. Van Fleet, having same habit of growth. The delicate flesh pink flowers are fragrant and bloom all summer. $2.00.

Thor. (Giant Scarlet Climber). (Pat. 187). Brilliant scarlet-red of the same shade as Crimson Glory. The flowers are perfectly formed; 4 to 5 inches across, have 55 to 60 petals and are produced abundantly. Foliage rich bottle green which does not mildew or blackspot. Very hardy, $2.00.

SPECIAL OFFER 91B One each of Blaze, Doubloons and The New Dawn (value $5.00) for $4.50.

MINIATURE ROSES

These are hardy everblooming roses growing only 6 to 8 inches high. We offer 3 inch potted plants.

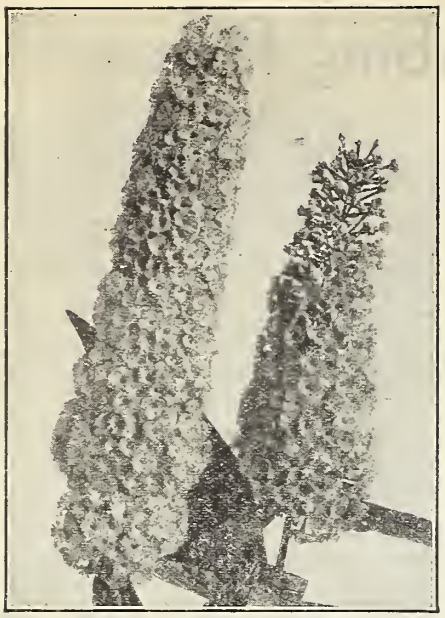
Midget. (Pat. 466). The tiniest rose-red, fully double Miniature Rose. Almost thornless. Each, 85c; 3 for $2.25.

Pixie. (Pat. 408). The world's tiniest double white Rose. Each, 85c; 3 for $2.25.

Rouletti. Double rose-pink flowers, about an inch in diameter, in profusion. 75c; 3 for $2.00.

Special Offer No. 91C. One each of the above 3 Miniature Roses for $2.25. (Postage 15c additional).

Flowering Trees and Shrubs



BUDDLEIA (Butterfly Bush)

All Prices Are F. O. B. Our Nurseries, Western Springs, Ill.

The figures in italics following each variety indicate in feet the average height of the plant at maturity. B. & B. indicates "Balled and Burlapped."
(No Nursery Stock Shipped C. O. D.)

ALMOND (Prunus)

Double Pink Flowering Almond (Prunus Glandulosa Sinensis). *4 to 6 ft.* These bushy shrubs never fail to produce in early spring, before the leaves appear, a profusion of small very double pink, rose-like flowers that are closely set along the branches. *2 to 3 ft.*, $1.50; *3* for $4.00.

BARBERRY (Berberis)

Green Leaved Barberry (B. Thunbergi). *4 ft.* Popular hedge plant. Scarlet berries in fall and winter. 18 to 24 in., 75c; 3, $2.10; 10, $6.50; 100, $55.00.

Mentor Barberry (B. Mentorensis). *3 ft.* (Patent No. 99). It is extremely hardy and is able to withstand intense heat and drought without wilting or burning. Its foliage is heavy and thick and remains green until after the holidays. 18 to 24 in., $1.25; 3, $3.30; 10, $10.50; 100, $75.00.

Red-Leaved Barberry (B. Thun. Atropurpurea). *4 ft.* The foliage is a rich, bronzy red all summer. Plant in full sun to develop its coloring. 18 to 24 in., $1.00; 3, $2.75; 10, $8.50; 100, $70.00.

BEAUTYBUSH (Kolkwitzia Amabilis)

6 to 8 ft. A graceful shrub that is well named, for it is one of the most beautiful in our Nursery. It makes a wonderful showing in June when its long arching branches are usually completely covered with masses of pink snapdragon-like flowers. A hardy and reliable shrub for better home and landscape plantings. 2 to 3 ft., $1.50; 3, $4.20.

BIRCH (Betula)

European White Birch (B. Alba). *30-40 ft.* Of very upright habit with beautiful white bark. Foliage small and finely toothed. 8 to 10 ft., $4.50.

Cut-Leaved Weeping Birch (B. Pendula Gracilis). *30-40 ft.* An unusually graceful drooping tree, with deeply cut foliage and silvery white bark at maturity. 8 to 9 ft., $7.00.

HYBRID BLUEBERRIES

Highly Ornamental Plants—Delicious Fruits. *3 to 5 ft.* Beautiful all year. The foliage is a deep, rich green in summer, turning to a beautiful crimson in fall, and all winter the twigs are bright red. Excellent for planting with Evergreens or Broad-leaved Evergreens, as they require an acid soil. Large clusters of beautiful blue fruits, plump, meaty, tender and practically seedless. Flowers are not self-fertile and therefore we only sell 3 or more plants to a customer so that we can supply more than one variety. Price, 3-year clumps, 3 for $4.80; 6 for $9.00.

BRIDALWREATH (Spiraea)

S. Van Houtte. *5 to 6 ft.* One of the most beautiful and useful shrubs. 2 to 3 ft., 90c; 3 for $2.40; 10 for $7.50; 3 to 4 ft., $1.15; 3, $3.00; 10, $9.00.

FOUR NEW BUDDLEIAS (Butterfly Bushes or Summer Lilacs) $2.95

One each of those listed below.

The long tapering spikes thickly covered with minute tubular flowers of pleasing fragrance bloom during July and continue until frost. Excellent for cut-flowers. The stalks die to the ground each winter but come up vigorously again in the spring.

Charming. *4 ft.* A glorious variety, bearing elegant long sprays of lavender-pink blooms.

Dubonnet. *4 ft.* A The color, matches that of the French Dubonnet wine, glowing red in the sun.

Orchid Beauty. *3 to 4 ft.* Individual florets fringed; color soft cattleya-lilac with brilliant orange eye.

Royal Purple. (New). *3 to 4 ft.* Very shapely, extra long, full spikes of brilliant, glowing red-purple color.

Prices of above, field grown, each, $1.00; 3 for $2.85.

BURNING BUSH (Euonymus)

Winged Burning Bush (E. Alatus). *6 to 8 ft.* Bark cork-like and curiously winged; leaves small; fruit red; in autumn, foliage bright red. One of our best shrubs for specimen plantings and for growing in shady locations. 2 to 3 ft., $2.00; 3, $5.25; 3 to 4 ft., $2.50; 3, $7.00.

Dwarf Burning Bush (E. Alatus Compacta). *4 to 6 ft.* A compact form of the above. 2 to 2½ ft., $2.50; 3, $6.75; 2½ to 3 ft., $3.50; 3, $9.75.

BUSH CHERRIES (Prunus)

Hansen's Improved Bush Cherry (P. Besseyi. *4 to 5 ft.* Hardy, cherry with edible fruit resembling a small plum, massed in clusters from the ground up; fragrant white flowers in spring and beautiful silvery green foliage which turns rich red and gold in fall. 2 to 3 ft., 80c; 3, $2.25; 10, $7.00.

COTONEASTER

Peking Cotoneaster (Acutifolia) *5 to 10 ft.* Small leathery leaves of rich glossy green, jet black berries in fall. Extremely hardy, it makes one of our finest hedges. Can be trimmed like Privet. 3 to 4 ft., $1.25; 3, $3.30; 10, $10.50; 100, $90.00.

CRAB, FLOWERING (Malus)

Bechtel's Double-Flowering Crab (M. Ioensis Bechteli). *10 to 15 ft.* Trees of medium size are covered in early spring with large, beautiful, double fragrant flowers resembling small roses of a delicate pink. 3 to 4 ft., $2.75; 4 to 5 ft., $3.75.

Eleyi Crab (M. Eleyi). *10 to 15 ft.* Red foliage in spring later turning to bronze green. Produces clusters of wine red flowers and fruits of a dark red color. 4 to 5 ft., $2.75; 3, $7.75.

Rose Flowering Crab (M. Hopa). *15 to 20 ft.* Very hardy and one of the most beautiful of all flowering trees. Produces quantities of very large; deep rose-colored flowers followed by large edible fruits; distinctly red fleshed. 4 to 5 ft., $2.75.

CRANBERRYBUSH (Viburnum)

European Cranberrybush (V. Opulus). *10 ft.* Showy, cranberry-like berries in fall and early winter. 3 to 4 ft., $1.25; 3, $3.45; 10, $11.00; 4 to 5 ft., $1.50; 3, $4.20.

DOGWOOD (Cornus)

Redtwig Dogwood (C. Alba Sibirica). *6 to 10 ft.* Bright coral-red branches. 2 to 3 ft., 80c; 3, $2.25; 3 to 4 ft., $1.00; 3, $2.85.

Goldentwig Dogwood (C. Stol. Flaviramea). *6 to 10 ft.* Attractive golden yellow bark. 3 to 4 ft., $1.00; 3, $2.85.

CHINESE ELM HEDGING

Ulmus Pumila. It forms a beautiful, dense, impenetrable hedge with small dark green foliage. It can be kept low-growing and clipped, or can be used where immediate screening effects are desired. For hedge purposes, plant seedlings 12 to 18 inches apart. 2 to 3 ft. seedlings, not transplanted, 10, $2.00; 50, $7.50; 100, $13.50.

ELM (Ulmus)

American Elm. *80 to 100 ft.* Popular native tree with broad arching branches; foliage dark green.

American Elm, Moline Type. *80 to 100 ft.* Exceedingly large foliage. Of upright habit. Splendid tree for the street or for small yards.

American Elm, Vase Type. *80 to 100 ft.* A true vase-shaped tree.

Chinese or Siberian Elm (U. Pumila). *75 ft.* On account of its rapid growth, and ability to thrive in almost any situation, this is one of the most popular trees in America.

(Prices of the above 4 Elm Trees as follows:)

Height	Caliper	Each	3 for
8 to 10 ft.	1 to 1¼ inch	$4.25	$12.00
8 to 10 ft.	1¼ to 1½ inch	5.00	14.25
10 to 12 ft.	1½ to 1¾ inch	6.00	16.95
10 to 12 ft.	1¾ to 2 inch	7.00	19.95

Larger sizes, prices on application.

FIREBUSH OR FLOWERING QUINCE

Cydonia Japonica. *4 to 5 ft.* Brilliant orange-scarlet flowers in April, followed by yellowish green, quince-shaped, fragrant fruits. 18 to 24 in., $1.10. 3 for $2.95; 10 for $9.00.

FRINGETREE

White Fringetree (Chionanthus Virginica). *9 to 15 ft.* In late May or early June a thick white mist of pendant fringe-like flowers, mixing with large leathery leaves, present a unique sight. Valued as a lawn specimen. 3 to 4 ft., $1.75; 3 for $4.80.

GOLDEN BELL (Forsythia)

Showy Border Golden Bell (Forsythia Intermedia Spectabilis). *6 to 8 ft.* Its large, rich, yellow blossoms completely cover the wide spreading branches in early spring. 3 to 4 ft.; $1.25; 3, $3.60; 10, $11.00; 4 to 5 ft., $1.50; 3, $4.20.

Spring Glory. *5 to 8 ft.* The loveliest of all Golden Bells and the most prolific, its attractive large pale yellow flowers completely covering the bushes in early spring. 2 to 3 ft., $1.50; 3, $4.00.

HAWTHORN (Crataegus)

Paul's Double Scarlet Hawthorn (C. Oxyacantha Splendens). *12 to 15 ft.* Very showy blossoms of bright scarlet color, large, full and very double. 4 to 5 ft., $5.00.

HEATHERMINT (Elsholtzia Stauntoni)

3 to 4 ft. Produces attractive spikes of reddish purple flowers, resembling heather; September and October. The leaves of the plant, when bruised, emit a mint fragrance. Plant in a sunny location. 18 to 24 in., $1.25; 3 for $3.30.

HONEYLOCUST (Gleditsia)

Thornless Honeylocust (G. Triacanthos Inermis). *50 to 70 ft.* A large, vigorous tree with spreading branches, thornless or nearly so, and handsome feathery fern-like leaves. Good for yard or street planting and will withstand the dust and smoke of a city well. 8 to 10 ft., 1 to 1¼ in. caliper, $4.25; 8 to 10 ft., 1¼ to 1½ caliper, $5.00; 8 to 10 ft., 1½ to 1¾ in. caliper, $6.00; 10 to 12 ft., 1¾ to 2 in. caliper, $7.00.

HONEYSUCKLE (Lonicera)

Bush Honeysuckle. *9 to 10 ft.* One of our best shrubs for screen and border plantings.

Pink, Red or White. 3 to 4 ft., $1.00; 3, 2.85; 10, $9.00.

Zabel Red H. (L. Korolkowi Zabeli). *10 ft.* A dense upright growing shrub. This variety produces a grand display of red flowers in spring followed by red fruits in summer. It is probably the darkest colored bush honeysuckle. 2 to 3 ft., $1.00; 3 to 4 ft., $1.25; 3 for $3.45; 10 for $11.00.

HYDRANGEA

Blue Hydrangea. *2 ft.* Blooms of deep and intense blue last for a long time in late summer. Will grow in sun or light shade. Protect during winter in colder climates. Use a little alum when planting to assure the best color. 2 yr., $1.95; 3, $5.40.

Peegee Hydrangea (H. Paniculata Grandiflora). *8 to 10 ft.* Immense panicles of bloom a foot long, white turning to rose, commencing to bloom in August. 18 to 24 in., $1.10; 3, $2.95; 10, $9.00.

Snowball Hydrangea (H. Arborescens Grandiflora). *4 ft.* Large, flat heads of snow-white flowers in June and July. Thrives in shade. 18 to 24 in., $1.25; 3 for $3.30; 10, $10.00.

DWARF BURNING BUSH

for the Home Landscape

PINK FLOWERING HORSECHESTNUT

Aesculus Carnea. *20 to 25 ft.* A round headed, small flowering tree with beautiful pyramid cones of deep pink flowers in early June. They give the tree the effect of being lighted with big candles. Foliage lustrous, dark green. 5 to 6 ft., $5.75.

KERRIA (CORCHORUS)

Japonica Flore Pleno (Double Kerria). *4 to 5 ft.* Its slender green branches are attractive all winter. Leaves light green, yellow in autumn. Showy, bright double yellow flowers from June to September. 18 to 24 in., $1.25; 3 for $3.45.

LILAC SPECIES

Common Purple Lilac (Syringa Vulg. Purpurea). *12 to 15 ft.* The old-fashioned Lilac. It is hardy and vigorous, endures neglect and blooms abundantly. Purple flowers early in May. 2 to 3 ft., $1.00; 3, $2.75.

Persian Purple (Syringa Persica). *8 to 10 ft.* The most graceful and freely flowering of the Lilacs, with purple-lavender flowers, in loose panicles. 2 to 3 ft., $1.00; 3, $2.75; 10, $8.50; 3 to 4 ft., $1.35; 3, $3.75; 10, $12.00; 4 to 5 ft., $1.75.

Lilac (Syringa Japonica). *15 to 20 ft.* The last of the Lilacs to bloom, bearing its small creamy-white flowers in upright clusters from 12 to 18 inches long in June and July. 2 to 3 ft., $1.50; 3 to 4 ft., $1.75.

MAGNOLIA

Lenne Magnolia (M. Soulangeana Lennei). *20 ft.* Similar to the Saucer Magnolia, except its flowers are deep crimson on the outside and it blooms 2 weeks later. 3 to 4 ft., B. & B., $12.00; 4 to 5 ft., $15.00.

Saucer Magnolia (M. Soulangeana). *20 ft.* Flowers come before the long glossy leaves, and are 3 to 5 inches across, cup-shaped, rosy pink when in bud. A full-sized tree is a bouquet of thousands of showy flowers, not surpassed by any other tree in effectiveness. 2 to 3 ft., B. & B., $9.00; 3 to 4 ft., B. & B., $12.00; 4 to 5 ft., B. & B., $15.00.

Star Magnolia (M. Stellata). *12 ft.* The first Magnolia to blossom. No plant flowers more freely, and in early spring its semi-double, snow-white flowers of starry form appear in countless numbers and attract attention on all sides. 2 to 2½ ft., B. & B., $12.00.

MAPLE (Acer)

Crimson King Maple (Acer. Plat. Schwedleri Nigra). (Patent No. 735). The new purple leaved Maple which holds its rich dark color throughout the summer. 8 to 9 ft., $6.00.

Columnar Norway Maple (Acer Platanoides Columnare). *50-60 ft.* Compact columnar form of the Norway Maple. 8 to 10 ft., 1 to 1¼ in. caliper, $6.50; 8 to 10 ft., 1¼ to 1½ in. caliper, $9.00.

Norway Maple (Acer Platanoides). *50 to 75 ft.* A large and handsome tree with spreading branches, and compact, round head. Broad, dark green foliage, fading with tones of yellow and gold in autumn. 8 to 10 ft., not branched, $3.50; 3, $9.75; 8 to 10 ft. 1 to 1¼ in. caliper, $6.00; 3, $16.95;

Schwedler Maple (Acer Platanoides Schwedleri). *40 to 60 ft.* Gleaming red and purple leaves in spring, changing to dark green during summer. 8 to 9 ft., not branched, $4.50; 3 for $12.75.

WINTERCREEPER (Euonymus Vegetus)

MOUNTAIN ASH (Sorbus)

European Mountain Ash (S. Aucuparia). *25 to 30 ft.* A handsome tree with compound leaves of dark green turning to a golden yellow in autumn. The white flowers are followed in fall by large clusters of bright red berries. 6 to 8 ft., $4.50.

MOCK ORANGE (Philadelphus)

Lemoine. *4 to 5 ft.* Single, creamy white, fragrant flowers. 2 to 3 ft., $1.00; 3 for $2.85.

Common Mock Orange. *7 to 10 ft.* The free flowering single white found in the old-fashioned gardens of rapid growth, forming a large bush, 3 to 4 ft., $1.10; 3, $2.95; 10, $9.00; 4 to 5 ft., $1.25; 3, $3.45; 10, $11.00.

Virginalis. *7 to 8 ft.* One of the most beautiful shrubs grown. In June the plants appear as a huge bouquet, being completely covered with extra large, single and semi-double flowers that are pure white and sweet-scented. It has a long blooming season, the new wood producing large individual flowers often 3 inches across, throughout the summer. 2 to 3 ft., $1.50; 3 for $4.20; 3 to 4 ft., $1.75; 3, $4.80.

DWARF NINEBARK

Physocarpus Monogynus. *5 ft.* One of our finest low-growing hedge plants. Of dense, upright growth, it requires little shearing. The leaves are small, three to five lobed, and in color are a dark, glossy green. Ideal for growing in shady places or in full sun. 3 to 4 ft., $1.00; 3, $2.85; 10, $9.00.

PRIVET HEDGE (Ligustrum)

Amur Privet (L. Amurense). *12 ft.* One of the best hardy hedge plants. May be sheared to any extent. 18 to 24 in., 10, $3.00; 100, $25.00; 2 to 3 ft., 10, $4.00; 100, $35.00.

PLUM (Prunus)

Newport Purple-Leaf Plum (Prunus Cerasifera Newport). *12 to 15 ft.* A small tree shrub. The leaves, when young, are lustrous crimson, changing to a dark purple and retain this beautiful tint until they drop, late in autumn. The tree is covered early in spring with small, single pink flowers, which appear before the leaves. 2 to 3 ft., $1.75; 3 for $4.75; 4 to 5 ft., $3.25.

ROSE OF SHARON

Hibiscus Syriacus or Shrubalthea. *6 to 12 ft.* An upright shrub, blooming in August and September. The flowers resemble those of the hollyhock, and are very showy. **Double pink, purple, white or red.** 3 to 4 ft.. $1.10; 3, $2.95.

HYBRID RUGOSA ROSES

Belle Poitevine. *5 to 6 ft.* Very large, full double, loosely formed flowers of bright pink, borne in large clusters. 2 yr., $1.25; 3 for $3.45.

Hansa. *5 to 6 ft.* Double, reddish-violet flowers of large size, freely produced. Very sweet scented. 2 year, $1.25; 3, $3.45.

F. J. Grootendorst. *5 to 6 ft.* The flowers are bright red, beautifully fringed, and produced in clusters. It blooms from early summer until frost. 2 year, $1.35; 3, $3.75.

Pink Grootendorst. *5 to 6 ft.* A variety similar in every way to the F. J. Grootendorst except that the flowers are a clear pink. 2 year, $1.35.

GOLDEN ROSE OF CHINA

Rosa Hugonis. *6 ft.* Excellent hardy rose that makes a spectacular show when its long arching branches are thickly set with lovely single yellow flowers in May. 2 yr., $1.25; 3, $3.45.

SNOWBALL

Gardenia-scented Snowball (Viburnum Burkwoodi). *5 ft.* This new garden aristocrat is fast growing, semi-evergreen and bears its very fragrant, waxy, pinkish-white flowers in round, domed clusters in early spring. Foliage is rich, glossy green, brilliantly tinted in autumn. 18 to 24 in., $3.00.

Old-Fashioned Snowball (V. Opulus Sterile). *8 to 10 ft.* Large balls of white flowers in May 4 to 5 ft., $1.75; 3 for $4.80.

SNOWGARLAND

Spiraea Arguta Multiflora. *4 to 5 ft.* Showy shrub with leaves of narrow, bright green, fading with tones of yellow and orange in fall. Flowers are small, pure white, and are borne in early spring in such profusion that the whole shrub appears laden with snow. 3 to 4 ft., $1.00; 3, $2.85; 10, $8.50.

Vaughan's Nursery Price List

Listing our complete assortment of ornamental shrubs, shade trees, evergreens, small fruits, and fruit trees will be sent free on request. Ready about March 1st.

HYBRID BLUEBERRIES

EVERBLOOMING SPIRAEA

Spiraea Froebeli. *3 ft.* Round, flat clusters of rosy-pink flowers from June to October. Beautiful foliage all season. One of our best low growing shrubs for general use and for flowering hedges. 15 to 18 in., 75c; 3, $2.10; 10, $6.50; 18 to 24 in., 90c; 3, $2.55; 10, $8.00; 24 to 30 in., $1.00; 3, $2.75.

SWEETSHRUB

Calycanthus Floridus. *3 to 6 ft.* This is a desirable shrub for the old-fashioned garden and it will thrive in partial shade. The wood is fragrant and the flowers are of a rare chocolate color and have a pineapple fragrance. They bloom in June and throughout the summer. 18 to 24 in., $1.25.

TAMARIX

Hispida Aestivalis. *8 to 10 ft.* Magnificent variety with pink flower spikes that appear all during the summer. Feathery grey-green foliage. To get the best results, Tamarix should be cut to the ground when planted. 3 to 4 ft., $1.25; 3 for $3.45.

WILLOW (Salix)

Dwarf Blue-Leaf Arctic Willow (S. Purpurea Nana). *4 to 5 ft.* A charming low growing Willow with foliage of a lovely blue green. Excellent for low edging or can be clipped for formal effects. Grows anywhere in wet or heavy soils and can withstand extreme low temperatures. Plant 12 inches apart. 12 to 18 in., 60c; 10 for $4.50.

Pussy Willow (S. Discolor). *10 to 15 ft.* Small tree or large shrub with handsome fur-like catkins which appear in early spring before the leaves. 3 to 4 ft., $1.25; 3 for $3.45.

Niobe Weeping Willow (S. Niobe). *30 to 40 ft.* Wavy, bright green foliage borne on slender, pendent branches. 8 to 10 ft., $3.75.

WINTERCREEPER (Euonymus)

Bigleaf Wintercreeper (Euonymus Radicans Vegetus). This hardy evergreen trailer has round leaves and is sometimes called "Evergreen Bittersweet" on account of its gorgeous red berries, which are resplendent all winter against a rich deep evergreen foliage. Makes a useful ground cover or will climb on brick or stone. 3 inch pot plants, $2.00; 3 for $5.25.

WITCHHAZEL (Hamamelis)

Winter-Blooming Witchhazel (Hamamelis Vernalis). *5 to 6 ft.* Blossoms as early as January and will continue to bloom for a long time, opening during the mild weather and closing when the temperature drops. The flowers come in profusion, have a spicy fragrance, and vary from bright yellow to shades of old gold, reddish brown and maroon. It gives the best results when planted in a sheltered place well open to the winter sun. 3to 4 ft., $2.00; 4 to 5 ft., $3.00.

VITEX MACROPHYLLA

3 to 4 ft. Very attractive shrub with handsome dark green foliage and attractive bright lavender-blue flowers produced from June until frost. 18 to 24 in., $1.25; 3, $3.45.

WEIGELA (Diervilla)

Bristol Ruby. (Patent No. 492) *6 ft.* Splendid new variety that blooms profusely in June and early July and occasionally later in the season. Color in effect is a soft ruby-red shading to garnet-crimson. Vigorous grower forming a nice, compact bush. 18 to 24 inch $1.50; 3, $4.00.

Rosea. *6 ft.* Very floriferous, producing quantities of large, showy, trumpet-shaped pink flowers in June. 3 to 4 ft., $1.25; 3, $3.45.

Hardy Climbing Vines

BITTERSWEET (Celastrus Scandens)

A native climbing or twining plant with handsome large leaves; yellow flowers in May and June and clusters of ornamental orange-capsuled fruit in autumn. Succeeds well in shade. We recommend planting 2 or more in a group. 2 yr., 85c; 3 for $1.95; doz., $7.00.

LARGE-FLOWERING CLEMATIS

Henryi. Pure white flowers, usually eight-petaled, and often 6 to 8 inches in diameter.

Jackmani. This variety, with its strong, healthy growth, hardy nature and rich, deep velvety purple flowers, is the most satisfactory of its class. Blooms with astonishing profusion.

Mme. Edward Andre. Very beautiful bright velvety red, free-flowering and continuous bloomer.

Ramona. An extra good variety that gives plenty of bloom of a distinct shade of light lavender blue.

Prices of the above 4 varieties: 2-year, each, $1.25.

Gold Medal Collection. One each Jackmani, Henryi and Mme. Edward Andre, 2-year for $3.45.

FIVE FINE NEW CLEMATIS

Comtesse de Bouchaud. Beautiful flowers with gracefully curved petals of satiny rose. Blooms from July to September. Very distinct. 2 yr., $1.50.

Crimson King. Truly spectacular, bright red flowers that are often 6 to 7 inches in diameter. Blooms from June to September. $1.50.

Lord Neville. Very dark, velvety blue-purple. Exquisite in color, with petals rich in texture. Has a long blooming season. 2 yr., $1.50.

Nelly Moser. Beautiful large flowers of pale mauve with a red bar on each petal. Profuse bloom from June to October; vigorous growth. $1.65.

Prins Hendrik. Of rare orchid-like beauty, with gorgeous azure-blue, ruffled petals, often 7 inches in diameter. Blooms from June until frost. $1.75.

Deluxe Collection: One each of Comtesse de Bouchaud, Crimson King, and Lord Neville, 2-year, for $4.25.

VARIOUS SPECIES OF CLEMATIS

Duchess of Albany. Vigorous sprays of gorgeous pink trumpet-shaped flowers about 3½ to 4 inches long. Blooms from July to September. Flowers will last two weeks when cut. 2 yr., $1.75.

Sweet Autumn Clematis (Clematis Paniculata). The flowers are pure white, deliciously fragrant and produced with the greatest freedom in September. The most popular of all the small-flowered vines. 2 yr., $1.00; 3 for $2.70.

CREEPER (Ampelopsis)

Boston Ivy (A. Tricuspidata or Veitchei). The grandest hardy climbing vine in existence for covering houses, churches, schools, etc. Its glossy, ivy leaves overlap each other, and its long delicate young shoots stretch up the walls with free and rapid growth. The tendrils at nearly every point cling firmly to the smoothest surface of rock or brick. 2 year, 85c; 3 for $2.25; doz., $8.50.

Engelman's Creeper (A. Engelmani). One of the hardiest, best and quickest growing climbers. Leaves color beautifully in the fall. Has a tendency to cling to brick or stucco. 2-year, 75c; 3, $1.95; doz., $7.00.

DUTCHMAN'S PIPE

Aristolochia Sipho. A vigorous growing climber, bearing striking brownish colored flowers, resembling a miniature pipe in shape. Its large, dark green heart-shaped leaves give a tropical foliage effect and produce a splendid shade. It thrives in sun or shade. 2 yr., grafted $2.00.

HONEYSUCKLE (Lonicera)

Everblooming Honeysuckle (Lonicera Heckrotti). Remarkable for large size of its flowers, crimson-carmine without and golden apricot inside. They are very beautiful and fragrant and are in bloom from the middle of June until the coming of frost. 2 yr., $1.00; 3 for $2.85.

Hall's Honeysucle (L. Japonica Halleana). One of the finest of all vines. Almost evergreen, with very fragrant, pure white flowers, changing to yellow, in late summer and fall. 2 yr., 75c; 3 for $1.95; doz., $6.00.

CLIMBING HYDRANGEA

Hydrangea Petiolaris. A worth while hardy climber with white, four-petaled flowers in 6 to 8 inch loose clusters in July. Will cling to brick or stone walls. Slow growing when young, but once established, makes a rapid growth. Grows best on north or east sides of buildings. Strong pot-grown plants, $2.00; 3 for $5.50.

HARDY ENGLISH IVY

Hedera Helix Baltica. A graceful evergreen vine that has dark green foliage and is identical in habit with the well-known English Ivy, except that it is hardy and has smaller leaves. Succeeds well in shady places and makes an excellent ground cover. 2¼ in. pots, 3 for $1.50; doz., $4.00; 100, $25.00.

KUDZU or Jack-and-the-Bean-Stalk Vine

The most remarkable climber extant. In rich soil will grow 70 feet in one season. Starts into growth slowly, but after three or four weeks grows almost beyond belief. Leaves in shape like Lima Bean; dark green; texture soft and woolly. Fine for porches, arbors, old trees, etc. 75c; 3 for $1.95. doz., $6.00.

TRUMPET CREEPER

Bignonia Radicans. A robust, tall climber with great leathery trumpet-shaped flowers of brilliant orange-scarlet which last a long time in the summer. Useful wherever a showy flowering vine is desired. Will cling to wood. 2 yr., 75c; 3 for $1.95.

Bignonia Mme. Galen. A more dwarf form of the above with immense flower clusters, often exceeding 15 inches in length. 2 yr., grafted, $1.25; 3 for $3.45.

SILVER LACE VINE

Polygonum Auberti. Of strong, vigorous growth, attaining a height of 25 feet or more, producing through the summer and fall great foamy sprays of white flowers that turn rose-colored as they begin to fade, and the combination of white and rose makes an exceedingly pretty picture. 2 yr., $1.00; 3 for $2.85.

All prices f. o. b. our nurseries, Western Springs, Ill.
If wanted by Parcel Post, add 10c for 1 plant
20c for 3 plants for postage.

WISTARIA

Chinese Wistaria (Wistaria Sinensis). Blooms very profusely early in summer; flowers violet-blue in long pendulous clusters. Our plants are propagated from blooming wood. 2 yr., $1.35.

Pink Wistaria (Wistaria Multijuga Rosea). The queen of the Wistarias. Vigorous growing, with extremely long, full clusters of beautiful pink flowers. No. 1, grafted, $1.50; 3 for $4.00.

White Chinese Wistaria (Wistaria Sinensis Alba). Pure white, very fragrant, 2 yr. grafted., $1.35.

Vaughan's Evergreens

All Prices Are F. O. B. Our Nurseries, Western Springs, Ill.
When Personal Selection of Stock is made, We Charge for According to Its Value.

ARBORVITAE (Thuja)

American Arborvitae (T. Occidentalis). A broad pyramidal tree. 3½ to 4 ft., $5.50; 4 to 4½ ft., $6.00; 4½ to 5 ft., $6.50; 5 to 5½ ft., $7.50.

Globe Arborvitae (T. Occidentalis Globosa). A round, compact form with deep green foliage. 18 in., $3.50; 24 in., $4.00.

Pyramidal Arborvitae (T. Occidentalis Pyramidalis). A compact, narrow pyramidal tree. 3½ to 4 ft., $5.75; 4 to 4½ ft., $6.50; 4½ to 5 ft., $7.50; 5 to 5½ ft., $8.50; 5½ to 6 ft., $9.50.

JUNIPER (Juniperus)

Burk Redcedar (J. Virg. Burki). An improved form of Silver Redcedar. 5 to 5½ ft., $15.00; 5½ to 6 ft., $16.50; 6 to 6½ ft., $18.00.

Canaert Redcedar (J. Virg. Canaerti). Fine Pyramidal form with heavily tufted deep green foliage. 4½ to 5 ft., $12.50; 5 to 5½ ft., $15.00; 5½ to 6 ft., $17.50; 6 to 6½ ft., $20.00.

Dundee Juniper (J. Virg. Hilli). Dense conical form; bluish gray-green foliage, plum colored in winter. 5 to 5½ ft., $15.00; 5½ to 6 ft., $16.50.

Keteleer Juniper (J. Chin. Keteleeri). Similar to Canaert Redcedar, but of more open growth and pyramidal habit. 5½ to 6 ft., $15.00; 6 to 6½ ft., $17.00.

Pfitzer Juniper (J. Chin. Pfitzeriana). One of the best Junipers. Of broad, bushy growth, with thick, rich green foliage. 18 to 24 in., $7.00; 2 to 2½ ft., $8.50; 2½ to 3 ft., $10.50; 3 to 3½ ft., $12.50.

Savin Juniper (J. Sabina). A dwarf evergreen with semi-erect spreading branches. 2½ to 3 ft., $6.75.

Silver Redcedar (J. Virg. Glauca). One of our choicest evergreens with attractive blue tinged foliage. 4 to 4½ ft., $11.50; 4½ to 5 ft., $12.50; 5 to 5½ ft., $15.00; 5½ to 6 ft., $16.50; 6 to 6½ ft., $18.00; 6½ to 7 ft., $20.00.

Von Ehron Savin Juniper (J. Sabina Von Ehron). Semi-spreading; very dark green foliage. 2 to 2½ ft., $6.00; 2½ to 3 ft., $6.75; 3 to 3½ ft., $8.50.

PINE (Pinus)

Red Pine (P. Resinosa). Ornamental vigorous tree with lustrous long needles. 3 to 3½ ft., $8.00; 3½ to 4 ft., $9.50;

Mugho Pine (P. Mont. Mughus). Good low growing evergreen. 15 in., $3.50; 18 in., $4.25; 2 ft., $5.00; 2½ ft., $6.50; 3 ft., $9.50.

SPRUCE (Picea)

Black Hill Spruce (P. Canadensis Albertiana). A very dense, compact growing spruce with green or bluish foliage. 2½ to 3 ft., $6.00; 3 to 3½ ft., $7.00.

Norway Spruce (P. Excelsa). A pyramidal tree of rapid growth and dark green foliage 2 to 2½ ft., $3.75; 2½ to 3 ft., $4.50; 3 to 3½ ft., $5.50; 3½ to 4 ft., $6.50.

Colorado Spruce (Picea Pungens). The abundance of heavy rich green foliage makes this variety a most impressive and popular evergreen. Splendid for specimen planting. 2 to 2½ ft., $7.00; 2½ to 3 ft., $7.75; 3 to 3½ ft., $8.50; 3½ to 4 ft., $10.00.

Colorado Blue Spruce (P. Pungens Glauca). Very showy, rich silver blue foliage. 2 to 2½ ft., $8.50; 2½ to 3 ft., $10.00; 3 to 3½ ft., $12.00.

YEW (Taxus)

Spreading Yew (T. Cuspidata). Of dense, spreading growth, with heavy, dark green foliage. 15 to 18 in., $7.50; 18 to 24 in., $8.50; 2 ft., $10.00; 2½ ft., $12.50; 3 ft., $17.50.

Upright Yew (T. Cusp. Capitata). An upright or pyramidal form with glossy, deep green foliage. 2 ft., $10.00; 2½ ft., $15.00; 3 ft., $22.50.

Hick's Yew (T. Media Hicksi). A distinct columnar form with rich, deep green foliage. 2½ ft., $10.00; 3 ft., $14.00; 3½ ft., $18.50.

For prices on larger sizes and other varieties ask for our nursery price list, ready about March 1st.

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Explanation of Table Below: Numbers prefixed with **B**, Bulbs; **P**, Plants; **R**, Roots; **S**, Seeds.

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JOHN C. VAUGHAN, PRES. — CARL V. CROPP, V. PRES.

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CAROTIDA, NEW YORK

Vaughan's Seed Store

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WESTERN SPRINGS, ILL.

GENERAL OFFICES AND WAREHOUSES
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How to Order

How to Order: Please follow these instructions, and fill out order sheets carefully Give correct address, with Delivery Zone, if you are in a large city.

Seed and Bulb Orders: Write quantities distinctly in the column provided and attach prices.

Plant and Tree Orders: State quantity, size or age of each variety, with prices attached.

C. O. D. Orders: No bulbs, trees, plants or other perishable stock, are sent C. O. D.

Remittance: Please remit by money order or check. **Do not send currency unless registered.**

Mistakes: If there is any error in filling your order, write us at once returning your order if a paid order or your invoice if a charge order, for quick investigation and adjustment.

Parcel Post Rates By Zones

DOMESTIC PARCEL POST RATES On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U.S. and Possessions. Effective Oct. 1, 1932.	First pound or fraction	Each additional pound or fraction	
		2 to 10 lbs.	11 to 70 lbs.
Local—Chicago or New York City	11c	1c	0.75c
First and Second Zone within 150 miles of either	12c	2.1c	2c
Third Zone within 150 to 300 miles	13c	3c	2.8c
Fourth Zone within 300 to 600 miles	14c	4.5c	4.25c
Fifth Zone within 600 to 1000 miles	15c	6c	5.5c
Sixth Zone within 1000 to 1400 miles	16c	7.5c	7.25c
Seventh Zone within 1400 to 1800 miles	17c	9.5c	9.25c
Eighth Zone all over 1800 miles	18c	11.5c	11.25c

This includes tax on first 33c. For larger amounts add 3% which is the equivalent of 1c for each 33c of postage.

NOTE. A fraction of a cent in the total amount of postage on any parcel shall be counted as a full cent. Limit of weight for delivery to all zones 70 pounds; to Canada 15 lbs. If weight exceeds this, we will pack in 2 or 3 parcels (not more), provided money is remitted to cover postage. Mark your Zone Number on order.

DELIVERY

All flower seeds, vegetable seeds, lawn seeds and bulbs prepaid.

All Dahlias, bought at single and dozen prices, are prepaid to fifth zone from Chicago or New York. Larger quantities by express at buyer's expense. Exceptions to this rule are specifically noted in the offers.

All Water Lilies by mail or express at buyer's expense, except where otherwise specifically stated.

All Roses, Trees, Shrubs are shipped from Western Springs at buyer's expense. Perennial Plants are shipped from Kalamazoo, Mich., at buyer's expense.

All tools and supplies, including insecticides and fertilizers (except as specified on Page 79), are F. O. B. Chicago or New York and shipped at buyer's expense.

All lawn seed is prepaid to any part of the U. S. A.

Purchases for $2.00 or more made at our loop store, 10 W. Randolph St., delivered free within a 25 mile radius except fertilizers and peat moss weighing more than 100 pounds, dog food and bird gravel, which items are shipped at buyer's expense. This offer is subject to change without notice.

☛These special Free Deliveries do not include C. O. D. shipments, which travel at buyer's expense.

Express Shipments: General orders for garden seeds with heavy weights of corn, beans, fertilizers, etc., should go by express, freight or truck, also all shipments containing breakables. Orders over 5 lbs. going to 5th Zone travel cheaper by express than parcel post.

All Trees, Shrubs, Bulbs and Hardy Plants are shipped as soon as weather permits. State plainly date and manner of shipping you wish.

Charge Accounts. Customers desiring to open charge accounts are cordially invited to inform our credit department, which will be pleased to make the necessary arrangements.

Our Responsibility: It is so manifestly impossible for a seller of any perishable article to be responsible for what may happen to it after it leaves his hands, especially for seeds, which are planted under varying conditions of soil and climate, that we, in common with all American seed houses, disclaim responsibility as to the crop which may be raised from seeds which we sell.

We wish it understood that all our stocks are sold under the following conditions:

VAUGHAN'S SEED STORE gives no warranty, express or implied, as to the productiveness of any seeds, bulbs or plants it sells; nor does it warrant fertilizers other than in respect to data required of the seller by statutes. It is expressly agreed that the limit of liability for all claims for loss or damages due to any cause shall be in a sum no greater than the invoice price of the goods and in no case shall it be responsible for loss or damage of the crop.

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YOU CAN GROW GIANT Dahlias

8 Champion Varieties of Rainbow Colors $4.75

(VALUE $7.00)

VIRGINIA RUTE

TO grow giant dahlias is one of the most satisfying of garden experiences. Anyone can do it, who buys the varieties capable of developing giant blooms and follows the simple directions which we send with every order.

Dozens of new varieties are introduced each year and enjoy a brief acclaim, but relatively few are able to win a permanent place at the top. All those on this page are proven champions, having demonstrated their merit in the garden and on the exhibition tables. Besides giant size and fine coloring, they have the qualities of vigorous growth and free flowering. You can depend upon growing them, if you follow the simple methods in our instructions.

COMMANDO (F.D.) Clear lavender, bearing 10 to 12 inch flowers. Each $1.00.

CALIFORNIA IDOL (I.D.) Clear, bright self-colored yellow, capable of 12 to 14 inch flowers. Each 75c.

DAHLIAMUM (I.D.) A combination of yellow, buff and amber, producing 8 to 10 inch blooms. Each 75c.

DR. JOHN CARMAN (F.D.) A distinctive tyrian rose, silver tips, flowers reaching 8 to 10 inches. Each 90c.

J. J. JEFFERSON (F.D.) A perfect white with fine form, averaging 6 to 8 inch flowers. Each 75c.

LOIS WALCHER (F.D.) Deep amaranth purple, breaking sharply into pure white. Flowers 8 to 10 inches. Early bloomer. Each $1.00.

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Fancy-Leaved Caladium Bulbs

MIXED. 6 for $2.00; doz., $3.75.
No order accepted for less than 6.

The fancy-leaved Caladiums are gorgeous plants for window-boxes or semi-shady places in the garden. They like a well drained, rich soil but do well in good garden soil if it is not too heavy. Start the bulbs inside in pots covering with one inch of soil. Water sparingly until growth commences, then water liberally. Plant out after danger of frost is over.

100 Strawberry Plants $3.00

Special Offer No. 181S. A Strawberry collection, 100 fine strong plants (spring delivery only) in four good sorts, our selection, postpaid, for $3.00.

Strong Field Grown Plants, Shipped from Early Spring up to May 15.

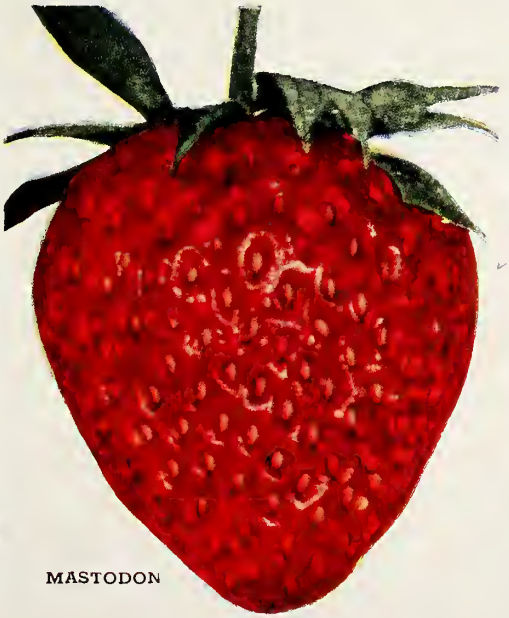
FAIRLAND. New introduction of the United States Department of Agriculture resistant to red stele disease. Early bearing, producing large, bright red firm berries of excellent flavor. 25 for $2.00; 50 for $3.25; 100 for $5.20; 250 for $12.40; 500 for $19.70, postpaid.

ROBINSON. The new super berry. Finest flavor. Large, glossy, firm red fruit.

PREMIER. Early. Berries are large, beautifully formed, red through and through; flavor delicious. A splendid shipper.

PRICE, on the above 2 varieties, 25 for $1.50; 50 for $2.35; 100 for $3.70; 250 for $8.40; 500 for $15.70, postpaid.

SENATOR DUNLAP. Midseason. The fruit is dark red with glossy finish. The meat is a bright red all through and exceedingly juicy. It succeeds everywhere and with everybody—the beginner as well as the veteran grower. **Price,** 25 for $1.10; 50 for $1.70; 100 for $2.85; 250 for $6.65; 500 for $12.50, postpaid.



MASTODON

Everbearing Strawberries

STREAMLINER. New variety excelling in flavor and of special merit for freezing and canning. 25 for $2.85; 50 for $5.00; 100 for $8.75; 250 for $18; 500 for $25, postpaid.

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MASTODON. Most widely planted bearer. **Price,** 25 for $2.30; 50 for $ 100 for $6.70; 250 for $15.20; 50 $22.00, postpaid.

NEW MINNESOTA 1166. Loaded wit berries until November. 25 for $2.30; $4.00; 100 for $6.70; 250 for $15.2 for $22.00, postpaid.

Everblooming HYBRID TEA ROSES 6 FOR $5.95

ONE PLANT EACH OF ROSE CHRISTOPHER STONE, ILLUSTRATED, AND FIVE OTHERS, AS DESCRIBED HERE.

ALL these Roses will bloom in your garden this summer, if planted according to simple directions furnished with the plants. Before winter comes they should have borne for you hundreds of lovely blossoms, beginning in June and continuing without interruption until killing frosts. Our plants are finest two year budded plants that are produced. The varieties are of the newest type, some of the very latest to make their debuts. Plant dormant Rose bushes as soon as the soil thaws and dries out enough to be prepared properly. As soon as dormant Roses are properly pruned and planted, hill them up with 3 or 4 inches of moist soil. This keeps the wind from drying the plants and helps them to leaf out more quickly. Remove the soil gradually as the plants begin to grow.

One Each of These Six Varieties

Value $7.20 for $5.95, by Express (Collection C19)

CHRISTOPHER STONE. Classed with Etoile de Hollande and Crimson Glory as one of the three finest red roses in existence. All season the fine plants produce quantities of brilliant, glowing, velvety scarlet blooms of good form and delicious old rose fragrance. $1.25; 3 for $3.45.

CONDESA DE SASTAGO. A spectacular rose with cupped flowers of orange-scarlet on the inside, yellow on the reverse. Exceptionally strong grower; alluring raspberry fragrance; free flowering. $1.10; 3 for $3.00.

THE DOCTOR. An outstanding pink rose. The buds are long and pointed and expand to enormous blooms of beautiful, glowing rosy pink. Intensely fragrant; excellent for cutting. $1.25; 3 for $3.45.

We suggest that you order early as it may be necessary to change these collections if ordered late in the season. See Pages 90-91 for Complete List of Roses.

All Roses are shipped via express from Western Springs, Ill., or may be shipped via parcel post if postage is sent. Allow 1 lb. for each plant. See order blank for postage rates. (No Roses are shipped C.O.D.).

SUB-ZERO Roses 3 for $5.00

Everblooming Hybrid Tea Roses, One Each as Listed, Collection C29

A new race bred from Northern native species that have beautiful flowers and that bloom freely and constantly all summer. They are easy to grow, have great vigor and live for many years, even in sub-zero winters.

PINK PRINCESS (Pat. 459). Red buds open to large double, high centered, fragrant flowers of deep rose-pink with copper shadings. Famous as the first Hybrid Tea rose, free from premature defoliation. $1.75.

DUCHESS (Pat. Pending). You will ays enjoy and remember this rose for its tivating fragrance, colorful persistant e and flowers of a wonderful shade of ed. $1.75; 3 for $5.00.

VICTORY (Pat. 543). One of the roses in existence. The color is a real , with fragrant, unfading flowers de- ng from fine buds. The flowers are ouble, are on long stiff stems and are lent for cutting. $1.75.

McGREDY'S IVORY. "The perfect white rose." Its long pointed, perfectly-shaped, ivory-white buds open into magnificent blooms of breath-taking loveliness. $1.25; 3 for $3.45.

McGREDY'S YELLOW. Beautifully formed buds of pure, light buttercup yellow; open flowers cup-shaped with a mass of golden anthers glorifying the center. $1.10; 3 for $3.00.

POINSETTIA. One of the most dazzling red roses we have ever seen. The buds are ideal in form, long and pointed, and open into large, beautiful poinsettia-scarlet blooms. $1.25; 3 for $3.45.

ALL-AMERICA WINNERS! 3 for $4.50

One each as listed below.

(Value $4.95) All America Rose Selections. Everblooming Hybrid Tea Rose Collection C39

These are Roses selected by the Rose Council after two-year tests in 18 Official All America Rose Selection test gardens. Only a rose that gives good results in all parts of the country can pass their rigid tests.

KATHERINE T. MARSHALL. AARS 1944. (Pat. 607). Long pointed buds of exquisite coral pink open to very large, full cupped blooms of warm glowing pink; fruity fragrance. A marvelous grower and producer of long stemmed roses. $1.65; 3 or $4.50.

MIRANDY. AARS 1945. (Pat. 632). The first place winner for 1945. The large, long pointed, ovoid buds, are a deep rich dark red with black shadings, opening to a gorgeous Chrysanthemum-red. The huge 50-petaled flowers are long lasting; have a wonderful fragrance, and are produced continuously all season. $1.65; 3 for $4.50.

MME. CHIANG KAI-SHEK. AARS 1944. (Pat. 664). The "Honor Rose" for 1944 and the loveliest of all yellow Roses. It has long pointed buds of light yellow which open full to beautifully formed, creamy yellow, long stemmed flowers; dark green foliage. $1.65; 3 for $4.50.